(2M)

EIC 3600 COMMERCIAL DATABASE SEARCH REQUEST

☒ **RUSH - SPE signature required:** [signature]

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Access DB# 116741

Business Methods Case: 705/ 15, Cross 705/16,20,2122, **Log Number:** _____
Write in 705 subclass(es) to search required files for 705 cases or cases cross referenced in 705.

Requester's Full Name: Andrew Fischer Examiner # : 75586 Date: March 11, 2004

Art Unit: 3627 Phone Number: 305-0292 Serial Number: 10/259,328

Bldg & Room #: PK5 7B-09 Results Format Preferred: PAPER ☒ DISK ☐ E-MAIL ☐

If more than one search is submitted, please prioritize searches in order of need.

Provide the PALM Bib page or the following: (Total Pages including this sheet:)

Title of Invention: Bib Data Sheet Attached

Inventors (provide full names) : _____

Earliest Priority Filing Date: 9/7/99

Requested attachments:

- If possible, provide the cover sheet, the IDS, examples, or relevant citations, authors, etc, if known.
- Please attach copies of the parts of this case that help explain or are most pertinent to this search. Examples are: ***abstract, background, summary, claim(s) [not all of the claims].***

Abstract, Background of the Invention, and claims included.

The claimed or apparent novelty of the invention is:

A POS Device capable of correcting inputs

This search should focus on:

(Also include keywords or synonyms)

POS system with error correction, alternative Operation of A POS system which retreives all data from the menu (not just the desired ones) & has all entries displayed.

If you have any questions or need help with keywords, please feel free to contact me.

Special Instructions or Other Comments

COMPLETE INTERNET & PRIOR ART SEARCH REQUESTED

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File 344:Chinese Patents Abs Aug 1985-2004/Mar
         (c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2003/Nov(Updated 040308)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200417
         (c) 2004  Thomson Derwent
? ds

Set     Items   Description
S1       1551   (POS OR POINT(1W)SALE? ?)(3N)(DEVICE OR DEVICES OR APPARAT-
            US OR MACHINE OR MACHINES)
S2       3204   (SALES()(ITEM OR ITEMS) OR MERCHANDISE OR GOODS?)(3N)(REGI-
            STER? OR REGISTRAT? OR INPUT?)
S3    2041972   ERROR()CORRECT? OR CHANGE OR CHANGES OR CHANGING OR ALTER?
            OR CORRECT?
S4      12436   (DISPLAY? OR REPRESENT? OR DESCRIPT? OR DEPICT? OR VISUALI?
             OR SHOW OR SHOWS OR SHOWING OR EXHIBIT? OR VIEW?)(3N)(ENTRY -
            OR ENTRIES OR SALES()(ITEM OR ITEMS) OR MERCHANDISE OR GOODS)
S5       2799   (RETRIEV? OR PULL()UP OR FETCH? OR GETS OR GETTING OR OBTA-
            IN?)(3N)(ENTRY OR ENTRIES OR SALES()(ITEM OR ITEMS) OR MERCHA-
            NDISE OR GOODS)
S6     235007   MENU()(KEY OR KEYS OR KEYBOARD? ?) OR BARCOD? OR DISPLAY()-
            DEVICE? ?
S7      18461   AU=(WATANABE, M? OR WATANABE M?)
S8         49   S1 AND S2
S9          8   S8 AND S3
S10         3   S9 AND IC=G06F
S11        10   S8 AND S4
S12         9   S11 NOT S10
S13         5   S12 AND IC=G06F
S14         3   S8 AND S5
S15         2   S14 NOT (S10 OR S13)
S16         4   S8 AND S6
S17         4   S16 NOT (S10 OR S13 OR S15)
S18         3   S7 AND S1
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Considered /SK/ 3/17/04

Search Performed by Sylvia Keys 16-Mar-04

10/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

01991973 **Image available**
POS TERMINAL **DEVICE**

PUB. NO.: 61-206073 [JP 61206073 A]
PUBLISHED: September 12, 1986 (19860912)
INVENTOR(s): KAKISONO YUKIO
ENDO KOICHI
APPLICANT(s): OMRON TATEISI ELECTRONICS CO [000294] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 60-046895 [JP 8546895]
FILED: March 08, 1985 (19850308)
INTL CLASS: [4] **G06F-015/21**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 543, Vol. 11, No. 37, Pg. 28, February 04, 1987 (19870204)

ABSTRACT

PURPOSE: To improve the operability of an operator by displaying a **correcting** code in the vicinity of an amount data to be **corrected** out of the amount data of a displayed merchandise, and deleting the display in accordance with the operation of a **correcting** key.

CONSTITUTION: After an operator operates a ten-key and a merchandise key of a full-keyboard 21 and inputs the data of the amount of the purchased merchandise of the customer and the department code, a cursor is shifted and a **correcting** key 26 is operated when the data concerning the **inputted merchandise** are desired to be **corrected** . Namely, the cursor is shifted onto a CRT 3 in which the data are displayed, and the data concerning the corresponding merchandise can be deleted by operating the key 26. When the operator **corrects** the data concerning the merchandise not to be **corrected** by mistake, the original data can be displayed only by operating the key 26 again. Thus, the operator only may give the displaying of the **correcting** code and the **correcting** command, and therefore, the operability can be improved.

10/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014208429 **Image available**
WPI Acc No: 2002-029126/200204
XRPX Acc No: N02-022576
Sales point estimation apparatus **for** point **-of-** sales **system, selects greatest scale-factor corresponding to variety of goods and is multiplied based on the selling price amount, to obtain goods sales point**
Patent Assignee: TOKYO ELECTRIC CO LTD (TODK)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001216568	A	20010810	JP 200025442	A	20000202	200204	B

Priority Applications (No Type Date): JP 200025442 A 20000202
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001216568	A		8	G07G-001/12	

Abstract (Basic): JP 2001216568 A

NOVELTY - A detector determines the greatest scale-factor of each **registered goods** , corresponding to each goods group from the set scale-factor table. A calculator multiplies the detected scale-factor based on selling price amount of the goods and accordingly sales point of goods is estimated.

USE - For evaluating goods sales point in point-of-sale system.

ADVANTAGE - System performance is improved, by estimating the sales point of each goods **correctly** .

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining point scale-factor setting process. (Drawing includes non-English language text).

pp; 8 DwgNo 8/8

Title Terms: SALE; POINT; ESTIMATE; APPARATUS; POINT; SALE; SYSTEM; SELECT; GREATER; SCALE; FACTOR; CORRESPOND; VARIETY; GOODS; MULTIPLICATION; BASED ; SELL; PRICE; AMOUNT; OBTAIN; GOODS; SALE; POINT

Derwent Class: T01; T05

International Patent Class (Main): G07G-001/12

International Patent Class (Additional): **G06F-017/60** ; G06K-017/00

File Segment: EPI

10/5/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

012466249 **Image available**

WPI Acc No: 1999-272357/199923

XRPX Acc No: N99-203922

POS **(point of sale)** apparatus **for e.g. restaurant - has controller which batches customer additional order data by designating or deleting additional number, depending on additional demand or cancellation demand for purchase order** goods **is** input

Patent Assignee: NITTSUKO KK (NITT-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11086140	A	19990330	JP 97264862	A	19970910	199923	B

Priority Applications (No Type Date): JP 97264862 A 19970910

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11086140	A		4	G07G-001/12	

Abstract (Basic): JP 11086140 A

NOVELTY - A controller (1) performs the batching of the additional order data input by the customer, by designating an additional number when a demand for additional order is input. The designated additional number is canceled or deleted when a cancellation demand is input during data processing. DETAILED DESCRIPTION - A portable input terminal (5) to which purchase order of the customer is input. A kitchen printer (30) outputs the hard copy of the bill corresponding to the purchase order data, based on calculation. The purchase order processing stops, when cancellation or deletion demand of the purchase order is input.

USE - For restaurant.

ADVANTAGE - Simplifies the **correction** or incorrect input during additional order of purchase goods since the additional number designated by the additional demand is deleted before data processing.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the point of sale system of the **point** of **sale** **apparatus** . (1) Controller; (5) Portable input terminal; (30) Kitchen printer.

Dwg.5/5

Title Terms: POS; POINT; SALE; APPARATUS; RESTAURANT; CONTROL; BATCH; CUSTOMER; ADD; ORDER; DATA; DESIGNATED; DELETE; ADD; NUMBER; DEPEND; ADD; DEMAND; CANCEL; DEMAND; PURCHASE; ORDER; GOODS; INPUT

Derwent Class: T01; T05

International Patent Class (Main): G07G-001/12

International Patent Class (Additional): **G06F-017/60**

File Segment: EPI

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Search Performed by Sylvia Keys 16-Mar-04

13/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014093499 **Image available**
WPI Acc No: 2001-577713/200165
Method for providing position information of product in pos system
Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU)
Inventor: YOON H O
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2001037445	A	20010507	KR 9944992	A	19991018	200165	B

Priority Applications (No Type Date): KR 9944992 A 19991018
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001037445	A		1	G06F-017/00	

Abstract (Basic): KR 2001037445 A
NOVELTY - The method for providing position information of a product in a POS system is provided to enable a consumer to rapidly find goods which the consumer wants to buy, to efficiently go shopping by **displaying** position information of **goods** equipped in a store market from a terminal **device** of a **POS** system equipped at every floor to a printer or a screen.
DETAILED DESCRIPTION - When a power is approved to a terminal device(S301), a control unit downloads position information of a store from a host computer through an interface unit(S302). The information is stored in a RAM. In addition, position information data of goods is updated(S303). The control unit performs a normal selling mode(S304). It is confirmed whether a **goods** position key is **inputted** through a key input unit(S305). The control unit **displays** a **goods** select screen to an indication unit(S306). The fixed goods selected by a clerk of the store is inputted through the key input unit(S307). The position information relevant to the selected goods is detected from the RAM(S308). The control unit displays the position information detected(S309). A key for printing the position information of the **goods** is **inputted** through the key input unit(S310). The position information is printed through a printer unit(S311).
pp; 1 DwgNo 1/10
Title Terms: METHOD; POSITION; INFORMATION; PRODUCT; POS; SYSTEM
Derwent Class: T01
International Patent Class (Main): **G06F-017/00**
File Segment: EPI

13/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013592406 **Image available**
WPI Acc No: 2001-076613/200109
XRPX Acc No: N01-058494
Point **of** sales **register** apparatus , **stores sales information in sales information database, when user selects item displayed on item list box**
Patent Assignee: NAGASAKA M (NAGA-I)
Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000322649	A	20001124	JP 99134151	A	19990514	200109	B
JP 3298102	B2	20020702	JP 99134151	A	19990514	200246	

Priority Applications (No Type Date): JP 99134151 A 19990514
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000322649	A		8	G07G-001/00	
JP 3298102	B2		9	G07G-001/12	Previous Publ. patent JP 2000322649

Abstract (Basic): JP 2000322649 A

NOVELTY - An item list box (34) **displays** the list of **goods** corresponding to the **input** price, from the **goods** information database. The specific item is selected by the user and the sales information is stored in a sales information database.

USE - **Point** of **sales** register **apparatus** .

ADVANTAGE - Since the item list box **displays** all the **goods** name corresponding to **input** price, the user can select the item easily and quickly.

DESCRIPTION OF DRAWING(S) - The figure shows the front elevation of screen of POS register.

Item list box (34)

pp; 8 DwgNo 1/8

Title Terms: POINT; SALE; REGISTER; APPARATUS; STORAGE; SALE; INFORMATION; SALE; INFORMATION; DATABASE; USER; SELECT; ITEM; DISPLAY; ITEM; LIST; BOX
Derwent Class: T01; T05
International Patent Class (Main): G07G-001/00; G07G-001/12
International Patent Class (Additional): **G06F-017/60**
File Segment: EPI

13/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

012832675 **Image available**
WPI Acc No: 2000-004507/200001
XRPX Acc No: N00-003953

Point of sale apparatus for e.g. restaurant, saloon - has purchase order goods provision information confirmation function that confirms provision situation of present purchase order goods when purchase order goods provision information is sent to controller

Patent Assignee: NITTSUKO KK (NITT-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11283128	A	19991015	JP 98103704	A	19980330	200001	B

Priority Applications (No Type Date): JP 98103704 A 19980330
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11283128	A		5	G07G-001/12	

Abstract (Basic): JP 11283128 A

NOVELTY - A portable terminal has a purchase order goods provision information confirmation function that confirms the provision situation of present purchase order goods when purchase order **goods** provision information, which **show** the purchase order **goods** to a customer, is sent to a controller (2). DETAILED **DESCRIPTION** - A purchase order

goods provision information **input** unit **inputs** the purchase order **goods** provision information when a restaurant employee carries the cooked purchase order goods. A kitchen printer (6) publishes a bill (6-1) that indicates the cooking of the purchase order goods to a kitchen. Purchase order information are sent from the controller to a POS terminal (1) after the purchase order **goods** information, which are **input** by the customer to the portable terminal, is sent by the portable terminal to the controller.

USE - For e.g. restaurant, saloon.

ADVANTAGE - Enables restaurant to provide exact service with few mistakes. Distance of movement of restaurant employee is shortened since need for a restaurant employee to check whether purchase order goods has been provided to the customer is eliminated. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the **POS apparatus**. (1) **POS** terminal; (2) Controller; (6) Kitchen printer; (6-1) Bill.

Dwg.1/3

Title Terms: POINT; SALE; APPARATUS; RESTAURANT; SALOON; PURCHASE; ORDER; GOODS; PROVISION; INFORMATION; CONFIRM; FUNCTION; CONFIRM; PROVISION; SITUATE; PRESENT; PURCHASE; ORDER; GOODS; PURCHASE; ORDER; GOODS; PROVISION; INFORMATION; SEND; CONTROL

Derwent Class: T01; T05

International Patent Class (Main): G07G-001/12

International Patent Class (Additional): **G06F-017/60**

File Segment: EPI

13/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

012677657 **Image available**

WPI Acc No: 1999-483764/199941

XRPX Acc No: N99-360794

Web point-of-sale POS procedure used in a retail store - involves providing POS information by web- POS client apparatus requiring HTML resource, based on acquired goods basic information and goods identification information from server apparatus

Patent Assignee: PALVISION KK (PALV-N); AXEL LINKAGE LAB KK (AXEL-N)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11203365	A	19990730	JP 9813546	A	19980109	199941	B
JP 2001175953	A	20010629	JP 9813546	A	19980109	200141	
			JP 2000331569	A	19980109		

Priority Applications (No Type Date): JP 9813546 A 19980109; JP 2000331569 A 19980109

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11203365	A		24	G06F-017/60	
JP 2001175953	A		19	G07G-001/14	Div ex application JP 9813546

Abstract (Basic): JP 11203365 A

NOVELTY - A web- **POS** client **apparatus** requiring a hypertext mark-up language HTML resource, outputs a POS information according to the acquired goods basic information and goods identification information from a server apparatus. DETAILED **DESCRIPTION** - The **goods** basic information is managed and transmitted by the server **apparatus** to the web- **POS** client **apparatus** using a hypertext forwarding protocol. The web- **POS** client **apparatus** acquires the

goods basic information from the server apparatus according to the **input goods** identification information. An INDEPENDENT CLAIM is also included for a web-POS system.

USE - Used in a retail store.

ADVANTAGE - Enables free modification of handling goods without needing exclusive **POS** private line. Server **apparatus** and web- **POS** client **apparatus** can be connected at low cost using a public network and a local area network (LAN) in an internet. Simplifies reception and **registration** of **goods** basic information e.g. manufacturer's code, goods item code and price information. Goods sales information or goods order information can be simply transmitted from server apparatus to client apparatus. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a web- **POS** client **apparatus** .

Dwg.1/21

Title Terms: WEB; POINT; SALE; POS; PROCEDURE; RETAIL; STORAGE; POS; INFORMATION; WEB; POS; CLIENT; APPARATUS; REQUIRE; RESOURCE; BASED; ACQUIRE; GOODS; BASIC; INFORMATION; GOODS; IDENTIFY; INFORMATION; SERVE; APPARATUS

Derwent Class: T01; T05

International Patent Class (Main): **G06F-017/60** ; G07G-001/14

International Patent Class (Additional): **G06F-013/00** ; G07G-001/12

File Segment: EPI

13/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

012643016 **Image available**

WPI Acc No: 1999-449121/199938

XRPX Acc No: N99-335607

Promoted goods selling registration apparatus in fast-food store, restaurant - outputs visitor unit price distribution from number of visitors of each storing tip area which stores initial value of visitor unit price

Patent Assignee: SANYO ELECTRIC CO LTD (SAOL)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11185165	A	19990709	JP 97365900	A	19971222	199938	B

Priority Applications (No Type Date): JP 97365900 A 19971222

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11185165	A		8	G07G-001/12	

Abstract (Basic): JP 11185165 A

NOVELTY - A POS terminal (1) performs sales **registration** of **goods** . Initial value of a visitor unit price is stored in several storing tip areas. The initial value and cutting width are arbitrarily set up based on purchase number at the time of sales registration. A visitor unit price distribution is output from the number of visitors of each storing tip area.

USE - For **registering** promoted **goods** in fast-food stores, restaurants.

ADVANTAGE - The price determination of selected goods is exactly performed, thereby improving sales and service. DESCRIPTION OF DRAWING(S) - The figure **shows** perspective diagram of **goods** selling **registration apparatus** . (1) **POS** terminal.

Dwg.1/10

Title Terms: PROMOTE; GOODS; SELL; REGISTER; APPARATUS; FAST; FOOD; STORAGE ; RESTAURANT; OUTPUT; VISIT; UNIT; PRICE; DISTRIBUTE; NUMBER; VISIT; STORAGE; TIP; AREA; STORAGE; INITIAL; VALUE; VISIT; UNIT; PRICE
Derwent Class: T01; T05
International Patent Class (Main): G07G-001/12
International Patent Class (Additional): **G06F-017/60**
File Segment: EPI

Search Performed by Sylvia Keys 16-Mar-04

15/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

07334676 **Image available**
SALES PROMOTION SYSTEM, DELIVERING SERVER, TERMINAL **DEVICE** , AND **POS** TERMINAL

PUB. NO.: 2002-203165 [JP 2002203165 A]
PUBLISHED: July 19, 2002 (20020719)
INVENTOR(s): MITSUYA HISASHI
APPLICANT(s): SANYO ELECTRIC CO LTD
APPL. NO.: 2000-399891 [JP 2000399891]
FILED: December 28, 2000 (20001228)
INTL CLASS: G06F-017/60; G06F-013/00; G07G-001/12; G07G-001/14

ABSTRACT

PROBLEM TO BE SOLVED: To provide a sales promotion system allowing a dealer to provide bargain formation timely for a customer and to provide a delivering server, a terminal **device** , and a **POS** terminal used for this system.

SOLUTION: The terminal devices 10 and 11 form an electronic mail by attaching an attached file including prices of bargain goods to an advertisement consisting of bargain information and transmit it to a server 20. The server 20 transforms the attached file into a file form transmittable via a network 30 and transmits the transformed attached file to cellular phones 50-52 via a network 30 and a radio base station 40 with the advertisement. Users of the cellular phone 40-52 **obtain** the bargain **goods** at a shop after seeing the advertisement and bring the **obtained goods** to a cash **register** , and the charges for the goods are paid when the attached file displayed on the cellular phones 50-52 is read by means of POS systems 12 and 13.

15/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012213791 **Image available**
WPI Acc No: 1999-019897/199902
XRPX Acc No: N99-016199
Accounts settlement apparatus **for** POS **information management system - output's busy situation indication signal, when degree of congestion is judged to be high based on quantity** registered goods **and total number of customers**
Patent Assignee: TOKYO ELECTRIC CO LTD (TODK)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10289378	A	19981027	JP 9796970	A	19970415	199902	B

Priority Applications (No Type Date): JP 9796970 A 19970415
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10289378	A		12	G07G-001/01	

Search Performed by Sylvia Keys 16-Mar-04

Abstract (Basic): JP 10289378 A

The apparatus (2) performs accounts settlement by computing the total amount for all the commodities purchased by a customer, when **goods registration** completion for one customer is declared by a registration completion unit. The sum of **registered goods** and total number of customers whose accounts settlement is completed in the preset congestion judgment period is obtained.

The degree of congestion is judged based on the **obtained** total **registered goods** and total number of customers. A busy situation indication signal is output when the total **registered goods** and number of customers equals the preset warning values.

USE - In supermarket.

ADVANTAGE - Enables to acquire exact state of check out counter automatically.

Dwg.1/11

Title Terms: ACCOUNT; SETTLE; APPARATUS; POS; INFORMATION; MANAGEMENT; SYSTEM; OUTPUT; BUSY; SITUATE; INDICATE; SIGNAL; DEGREE; CONGESTED; JUDGEMENT; HIGH; BASED; QUANTITY; REGISTER; GOODS; TOTAL; NUMBER; CUSTOMER

Derwent Class: T05

International Patent Class (Main): G07G-001/01

International Patent Class (Additional): G07C-009/00

File Segment: EPI

Search Performed by Sylvia Keys 16-Mar-04

17/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

05851150 **Image available**
INPUT SYSTEM FOR TERMINAL EQUIPMENT

PUB. NO.: 10-134250 [JP 10134250 A]
PUBLISHED: May 22, 1998 (19980522)
INVENTOR(s): KOBAYASHI SETSU
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-307096 [JP 96307096]
FILED: November 01, 1996 (19961101)
INTL CLASS: [6] G07G-001/00; G06K-007/10; G07G-001/12
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.3 (INFORMATION PROCESSING -- Input Output Units)
JAPIO KEYWORD:R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)

ABSTRACT
PROBLEM TO BE SOLVED: To **input** data on a **merchandise** name and a price without preparing a printing medium in which a bar code symbol is printed by directly reading a bar code symbol displayed on a picture display by a reader.
SOLUTION: The bar code symbol is generated as picture display data by a main program part developed on the main memory 102 of a **POS** terminal **device** 100 and displayed on a picture **display device** 130 through an internal data bus 110, a picture output interface 104 and a control line 120a. The optical characteristic of the bar code symbol at the time meets JIS. The bar code symbol is displayed by the picture magnified part of the device 130. The bar code symbol includes data is the merchandise name and the price and is optically read by a handy bar code reader 132. Read data is fetched as numerical data.

17/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013330464 **Image available**
WPI Acc No: 2000-502403/200045
XRPX Acc No: N00-372660
Display device for goods selling registration apparatus has message display switching unit which stops display of message information when new display information is received
Patent Assignee: TOKYO ELECTRIC CO LTD (TODK)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000194939	A	20000714	JP 98367571	A	19981224	200045 B

Priority Applications (No Type Date): JP 98367571 A 19981224
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000194939	A		7	G07G-001/01	

Abstract (Basic): JP 2000194939 A
NOVELTY - A message information is displayed to a display unit after a predetermined period and is continuously displayed until a new display information is received. A message display switching unit is

provided to the **display device** for stopping the display of message information and display instead the newly received display information.

USE - For **goods** selling **registration apparatus** e.g. **point of sale** information management terminal.

ADVANTAGE - Enables automatically displaying a message information to the shopping visitor without depending on the control of the **goods** selling **registration** apparatus.

DESCRIPTION OF DRAWING(S) - The figure shows the interruption process flowchart of the microcomputer.

pp; 7 DwgNo 6/6

Title Terms: DISPLAY; DEVICE; GOODS; SELL; REGISTER; APPARATUS; MESSAGE; DISPLAY; SWITCH; UNIT; STOP; DISPLAY; MESSAGE; INFORMATION; NEW; DISPLAY; INFORMATION; RECEIVE

Derwent Class: T01; T05

International Patent Class (Main): G07G-001/01

File Segment: EPI

17/5/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

010817036 **Image available**

WPI Acc No: 1996-313989/199632

XRPX Acc No: N96-264155

Bar code sales raising registration system - has bar code reading device and keyboard that inputs bar code to POS device based on which goods names are registered in PLU table along with price

Patent Assignee: NEC CORP (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 8138144	A	19960531	JP 94277353	A	19941111	199632	B

Priority Applications (No Type Date): JP 94277353 A 19941111

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8138144	A		8	G07G-001/12	

Abstract (Basic): JP 8138144 A

The registration system has a bar code reading device (2), a key board (3) and a **POS device** (1). An external memory (6) is connected to the **POS device** and holds a PLU table (7). The PLU table stores the information of the goods corresponding to the bar code. When a bar code is input from the bar coding device or the keyboard, the information of the goods corresponding to the bar code is received from the PLU table.

When the received **barcode** data is registered beforehand, in the PLU table, the data is overlapped on the data in the PLU table and registration of the article name and price is performed. When the data is not registered beforehand, the data is not overlapped within the PLU table. The control program then registers the data containing the price and the article name in the PLU table.

ADVANTAGE - Manages goods information pertinently.

Dwg.1/5

Title Terms: BAR; CODE; SALE; RAISE; REGISTER; SYSTEM; BAR; CODE; READ; DEVICE; KEYBOARD; INPUT; BAR; CODE; POS; DEVICE; BASED; GOODS; NAME; REGISTER; TABLE; PRICE

Index Terms/Additional Words: PRICE; LOOK; UP; TABLE

Derwent Class: T01; T04; T05

International Patent Class (Main): G07G-001/12
International Patent Class (Additional): G06F-017/60; G06K-007/10
File Segment: EPI

17/5/4 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010729964 **Image available**
WPI Acc No: 1996-226919/199623
XRPX Acc No: N96-190685
Checkout device for point -of- sales terminal equipment - has information storage unit which stores information about goods stocker
Patent Assignee: HITACHI COMPUTER ENG CO LTD (HITQ); HITACHI LTD (HITA)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 8087680	A	19960402	JP 94224511	A	19940920	199623	B

Priority Applications (No Type Date): JP 94224511 A 19940920
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8087680	A		10	G07G-001/00	

Abstract (Basic): JP 8087680 A
The device has a **barcode** reader or a scanner (53) which codes the **barcodes** on purchased goods and deciphers the contents of the **goods**. A **registration** unit **registers** the details of the purchased goods. A conveyance unit (51) conveys the goods. A goods stocker state detector detects whether the goods stocker s are filled with the goods.
An information storage unit stores the information about the goods stocker. When the empty state is found in the goods stockers, the goods are conveyed to the goods stockers.
ADVANTAGE - Enables reporting even when goods stocker is empty and conveying goods to fill it.
Dwg.1/8
Title Terms: CHECKOUT; DEVICE; POINT; SALE; TERMINAL; EQUIPMENT; INFORMATION; STORAGE; UNIT; STORAGE; INFORMATION; GOODS; STOCK
Derwent Class: T04; T05
International Patent Class (Main): G07G-001/00
File Segment: EPI

18/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013242614 **Image available**
WPI Acc No: 2000-414496/200036
XRPX Acc No: N00-309713

Bar code reading apparatus **for** point **of** sales **system, comprises CPU for decoding character to be decoded according to corrected black bar widths**

Patent Assignee: FUJITSU LTD (FUIT)
Inventor: IWAGUCHI I; KAWAI H; **WATANABE M**
Number of Countries: 028 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1011063	A2	20000621	EP 99302870	A	19990413	200036	B
JP 2000181987	A	20000630	JP 98359710	A	19981217	200037	
KR 2000047394	A	20000725	KR 9916040	A	19990504	200115	
US 6357660	B1	20020319	US 99282468	A	19990331	200224	
KR 334047	B	20020426	KR 9916040	A	19990504	200270	

Priority Applications (No Type Date): JP 98359710 A 19981217
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1011063	A2	E	25	G06K-007/14	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2000181987	A		23	G06K-007/10	
KR 2000047394	A			G06K-007/10	
US 6357660	B1			G06K-007/10	
KR 334047	B			G06K-007/10	Previous Publ. patent KR 2000047394

Abstract (Basic): EP 1011063 A2

NOVELTY - Apparatus comprises reader (20) and CPU (70) for decoding characters according to reading result. Ratio between character length of already decoded character and length of character to be decoded is calculated. When ratio is greater than threshold value, black bar widths are corrected according to reference black bar width. CPU decodes character to be decoded according to corrected black bar widths.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a bar code reading method.

USE - For point of sales (POS) system. For decoding character from bar code.

ADVANTAGE - Can execute character decoding without being affected by non-uniformity in width of each character in bar code.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the bar code reading apparatus.

bar code (10)
reader (20)
CPU (70)
pp; 25 DwgNo 1/14

Title Terms: BAR; CODE; READ; APPARATUS; POINT; SALE; SYSTEM; COMPRISE; CPU ; DECODE; CHARACTER; DECODE; ACCORD; CORRECT; BLACK; BAR; WIDTH
Derwent Class: T04
International Patent Class (Main): G06K-007/10; G06K-007/14
International Patent Class (Additional): G06K-019/06
File Segment: EPI

Search Performed by Sylvia Keys 16-Mar-04

18/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013106480 **Image available**
WPI Acc No: 2000-278351/200024
XRPX Acc No: N00-209694

Multiple price look-up maintenance system for POS system

Patent Assignee: NEC CORP (NIDE)
Inventor: **WATANABE M**

Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000076549	A	20000314	JP 98247337	A	19980901	200024	B
US 6363354	B1	20020326	US 99386902	A	19990831	200226	

Priority Applications (No Type Date): JP 98247337 A 19980901
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000076549	A		11	G07G-001/12	
US 6363354	B1			G06F-017/60	

Abstract (Basic): JP 2000076549 A

NOVELTY - The memory (103) of a **POS** server **apparatus** (100) has a master PLU log management table (108) into which input modification data of PLU table are registered. The **POS** server **apparatus** has a LAN controller (105) via which the content registered into the table (108) is transmitted to the POS apparatuses (200-400) by multicast transmission. DETAILED DESCRIPTION - The memory (103) has a master PLU table which is updated by the modification data. Each POS apparatuses receives the updating data, register the updating data into a local PLU management table (209) and updates a local PLU table (208) by the updating data. The **POS** server **apparatus** and **POS** apparatuses are connected by LAN (500). The **POS** server **apparatus** has a CPU (101), a display device (102), a keyboard (104, the memory (103) and the LAN controller (105). Each **POS apparatus** has a CPU (201), a display device (202), a keyboard (204), a bar-code input device (206), a printer (207), a memory (203) and a LAN controller (205).

USE - For POS system.

ADVANTAGE - Synchronizes content of updating of PLU table between **POS** server **apparatus** and **POS** apparatuses. Ensures no time difference in updating of PLU table even if the number of **POS apparatus** connected to LAN increases. Ensures normal operation of LAN even if the **POS** server **apparatus** is down. DESCRIPTION OF DRAWING(S) - The figure is a block diagram showing the components of the multiple price look-up maintenance system. (100) **POS** server **apparatus** ; (101,201) CPU; (102,202) Display device; (103,203) Memory; (104,204) Keyboard; (105,205) LAN controller; (108) Master PLU log management table; (200-400) POS apparatuses; (206) Bar-code input device; (207) Printer; (208) Local PLU table; (209) Local PLU management table; (500) LAN.

Dwg.1/2

Title Terms: MULTIPLE; PRICE; LOOK-UP; MAINTAIN; SYSTEM; POS; SYSTEM
Derwent Class: T01; T05
International Patent Class (Main): G07G-001/12
International Patent Class (Additional): G06F-013/00; G06F-017/60; G07G-001/14
File Segment: EPI

Search Performed by Sylvia Keys 16-Mar-04

18/5/3 **(Item 3 from file: 350)**
DIALOG(R)File 350:Derwent WPIX

013052968 **Image available**
WPI Acc No: 2000-224823/200019
XRPX Acc No: N00-168392

Bar code reader for POS; scans bar code twice or more and detects multiple pieces of bar code data, and decoder decodes the bar code data

Patent Assignee: FUJITSU LTD (FUIT)
Inventor: ITOH M; IWAGUCHI I; KAWAI H; **WATANABE M**
Number of Countries: 020 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200011594	A1	20000302	WO 99JP482	A	19990204	200019	B
JP 2000067154	A	20000303	JP 98237817	A	19980824	200023	
US 20010006192	A1	20010705	WO 99JP482	A	19990204	200139	
			US 2001790817	A	20010223		
EP 1117059	A1	20010718	EP 99901940	A	19990204	200142	
			WO 99JP482	A	19990204		
US 6695210	B2	20040224	WO 99JP482	A	19990204	200415	
			US 2001790817	A	20010223		

Priority Applications (No Type Date): JP 98237817 A 19980824
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200011594	A1	J	31	G06K-007/10	
Designated States (National): US					
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
JP 2000067154	A		11	G06K-007/10	
US 20010006192	A1			G06K-007/10	Cont of application WO 99JP482
EP 1117059	A1	E		G06K-007/10	Based on patent WO 200011594
Designated States (Regional): DE FR GB					
US 6695210	B2			G06K-007/10	Cont of application WO 99JP482

Abstract (Basic): WO 200011594 A1

NOVELTY - A bar code data detecting section of a bar code reader scans a bar code twice or more and detects multiple pieces of bar code data, and a decoder decodes the bar code data. Then, a first judging section detects the overlapping part where first decoded data of the decoded data in a first scanning trace and second decoded data in a second scanning trace overlap and judges whether or not the overlapping part is composed of a set number of characters.

DETAILED DESCRIPTION - If the overlapping part is composed of the set number of characters, a second judging section judges whether or not the data in the overlapping part of the first decoded data is identical with that of the second decoded data. If the characters are the same, a fourth judging section judges whether or not the character just before the overlapping part of the first decoded data, the character just after the overlapping part of the second decoded data, and the characters constituting the overlapping part are all the same. If they are all the same, a synthesizing section does not combine the first and second decoded data, thereby preventing error data from being generated.

An INDEPENDENT CLAIM is included for:
(a) a bar code reading method

USE - In bar code reading and scanning used in POS equipment.

ADVANTAGE - None given.

DESCRIPTION OF DRAWING(S) - The drawing shows layout of bar code reader.

Search Performed by Sylvia Keys 16-Mar-04

bar width data storage buffer (2)
control section circuit (3)
interface circuit (4)
motor drive (8)
laser drive (9)
loudspeaker (10)
motor (12)
laser (13)
scanning optical system (14)
bar code (21)
upper level **machine** (**POS**) (201)
pp; 31 DwgNo 1/8
Title Terms: BAR; CODE; READ; POS; SCAN; BAR; CODE; TWICE; MORE; DETECT; MULTIPLE; PIECE; BAR; CODE; DATA; DECODE; DECODE; BAR; CODE; DATA
Derwent Class: T04; T05
International Patent Class (Main): G06K-007/10
International Patent Class (Additional): G06K-007/00
File Segment: EPI

Search Performed by Sylvia Keys 16-Mar-04

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File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Feb
         (c)2004 Info.Sources Inc
File   2:INSPEC 1969-2004/Mar W1
         (c) 2004 Institution of Electrical Engineers
File  35:Dissertation Abs Online 1861-2004/Feb
         (c) 2004 ProQuest Info&Learning
File  65:Inside Conferences 1993-2004/Mar W2
         (c) 2004 BLDSC all rts. reserv.
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Feb
         (c) 2004 The HW Wilson Co.
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
         (c) 2003 EBSCO Pub.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 474:New York Times Abs 1969-2004/Mar 15
         (c) 2004 The New York Times
File 475:Wall Street Journal Abs 1973-2004/Mar 15
         (c) 2004 The New York Times
? ds

Set     Items   Description
S1        286   (POS OR POINT(1W)SALE? ?)(3N)(DEVICE OR DEVICES OR APPARAT-
              US OR MACHINE OR MACHINES)
S2        291   (SALES()(ITEM OR ITEMS) OR MERCHANDISE OR GOODS?)(3N)(REGI-
              STER? OR REGISTRAT? OR INPUT?)
S3    2014407   ERROR()CORRECT? OR CHANGE OR CHANGES OR CHANGING OR ALTER?
              OR CORRECT?
S4       2497   (DISPLAY? OR REPRESENT? OR DESCRIPT? OR DEPICT? OR VISUALI?
               OR SHOW OR SHOWS OR SHOWING OR EXHIBIT? OR VIEW?)(3N)(ENTRY -
              OR ENTRIES OR SALES()(ITEM OR ITEMS) OR MERCHANDISE OR GOODS)
S5        817   (RETRIEV? OR PULL()UP OR FETCH? OR GETS OR GETTING OR OBTA-
              IN?)(3N)(ENTRY OR ENTRIES OR SALES()(ITEM OR ITEMS) OR MERCHA-
              NDISE OR GOODS)
S6       8397   MENU()(KEY OR KEYS OR KEYBOARD? ?) OR BARCOD? OR DISPLAY()-
              DEVICE? ?
S7       4166   AU=(WATANABE, M? OR WATANABE M?)
S8          0   S1 AND S2
S9      11321   (POS OR POINT(1W)SALE? ?)
S10        80   S9(3N)(S3 OR S4 OR S5 OR S6)
S11        57   S10 NOT PY>1999
S12        43   RD (unique items)
S13        41   S12 NOT ATM
S14         0   S7 AND S1
```

Considered @7 3/17/04

Search Performed by Sylvia Keys 16-Mar-04

13/5/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

6378357
Title: The zero administration store. The time is near when your POS will practically run itself
Author(s): Evans, D.
Author Affiliation: Adv. Distribution Syst., Lanham, MD, USA
Journal: Chain Store Age vol.75, no.9 p.100
Publisher: Lebhar-Friedman,
Publication Date: Sept. 1999 Country of Publication: USA
CODEN: CSAGAW ISSN: 1087-0601
SICI: 1087-0601(199909)75:9L.100:ZAST;1-2
Material Identity Number: D448-1999-009
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: You have decided to purchase a new POS system for your stores, and you want to be certain that it contains all the features your older systems and software could not handle. Here are your choices. You can do what so many retailers are doing today-adopting fat-client architecture to run your **POS** . As an **alternative** , the thin or trim client is gaining support among retailers. With either of these models, the POS terminals are simply plugged into the network. The terminal loads its configuration and programs automatically, without operator intervention. In fact, the POS server can be configured in the same manner as well, simply by plugging into the WAN. The thin-client model dates back to the '80s, when dumb POS terminals required no management. During the '90s, the fat client emerged, promising a more open platform that allowed integration with components from many sources, better fault tolerance at the POS terminal, and a more appealing user interface. The new trim-client models being developed by several manufacturers offer the best features of both platforms. They provide the hands-off management of the thin client with the robustness and openness of the fat client. (0 Refs)
Subfile: D
Descriptors: network computers; point of sale systems; retailing
Identifiers: retailing; fat-client; thin-client; POS terminals; trim-client
Class Codes: D2140 (Marketing, retailing and distribution); D5010G (Terminals); D5020 (Computer networks and intercomputer communications)

13/5/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

6127384 INSPEC Abstract Number: B1999-02-6210L-065, C1999-02-7180-004
Title: Wireless point of sale terminal for credit and debit payment systems
Author(s): Zdravkovic, A.
Author Affiliation: Omega Digital Data, Concord, Ont., Canada
Conference Title: Conference Proceedings. IEEE Canadian Conference on Electrical and Computer Engineering (Cat. No.98TH8341) Part vol.2 p. 890-3 vol.2
Editor(s): Hornsey, R.
Publisher: IEEE, New York, NY, USA
Publication Date: 1998 Country of Publication: USA 2 vol. xliii+939 pp.
ISBN: 0 7803 4314 X Material Identity Number: XX-1998-01718
U.S. Copyright Clearance Center Code: 0 7803 4314 X/98/$10.00

Search Performed by Sylvia Keys 16-Mar-04

Conference Title: Conference Proceedings. IEEE Canadian Conference on Electrical and Computer Engineering
Conference Date: 24-28 May 1998 Conference Location: Waterloo, Ont., Canada
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A); Practical (P)
Abstract: Electronic POS (point of sale) systems process credit and debit card payments. While the credit card transaction can be processed off line, debit card processing is performed strictly on line. Lack of an on line authorization mechanism restricts remote customer oriented services, like delivery applications, to low amount credit card transactions. Debit is not even considered as an option for remote customer services. All this is due to the lack of POS terminals to acquirer host connectivity. Wireless communication presents a viable alternative to the problem of merchant to acquirer connectivity. Portable hand held wireless POS terminals enable merchants to provide on line debit and credit payment option at the point of service, as opposed to the dedicated location with the cash register installation. Wireless **POS** is completely **changing** the operating mode of the mobile service industries, like taxi, courier, delivery and limousine services. One design approach to wireless POS systems for wireless LAN and wireless WAN is presented. An introduction to credit and debit card processing is included and the conventional POS shortcomings and the new business solutions based on the application of wireless POS technology are presented. The description of the integrated wireless POS terminal focuses on the communication requirements for POS processing. (0 Refs)
Subfile: B C
Descriptors: credit transactions; debit transactions; point of sale systems; telecommunication terminals; wide area networks; wireless LAN
Identifiers: wireless point of sale terminal; credit payment systems; debit payment systems; electronic POS; debit card payments; credit card payments; credit card transaction; debit card processing; remote customer oriented services; delivery applications; portable hand held wireless POS terminals; mobile service industries; taxi services; courier services; limousine services; wireless LAN; wireless WAN; business solutions based
Class Codes: B6210L (Computer communications); B6220W (Other telecommunication terminals and equipment); B6250 (Radio links and equipment); C7180 (Retailing and distribution computing); C5620L (Local area networks); C5620W (Other computer networks); C7120 (Financial computing)

13/5/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

5979087 INSPEC Abstract Number: A9817-5275-006
Title: Recent progress and plans in plasma opening switch development for DSWA simulators
Author(s): Thompson, J.R.; Coleman, P.L.; Goodrich, P.J.; Goyer, J.R.; Parks, D.E.; Rauch, J.E.; Rix, W.H.; Robertson, K.L.; Steen, P.G.; Moschella, J.J.; Yadlowsky, E.J.; Gensler, S.W.; Krishnan, M.; Prasad, R.; Qi, N.; Kortbawi; Black, D.C.; Commisso, R.J.; Swanekamp, S.; Schumer, J.W.; Weber, B.V.; Maron, Y.; Pereira, N.R.; Weidenheimer, D.; Babinean, M.A.; Schneider, R.F.
Author Affiliation: Maxwell Technol. Inc., San Diego, CA, USA
Conference Title: 25th Anniversary, IEEE Conference Record - Abstracts. 1998 IEEE International Conference on Plasma Science (Cat. No.98CH36221) p.148
Publisher: IEEE, New York, NY, USA
Publication Date: 1998 Country of Publication: USA 343 pp.

Search Performed by Sylvia Keys 16-Mar-04

ISBN: 0 7803 4792 7 Material Identity Number: XX98-00643
Conference Title: Proceedings of 25th International Conference on Plasma Sciences
Conference Sponsor: Plasma Sci. & Applications Committee of the IEEE Nucl. & Plasma Sci. Soc
Conference Date: 1-4 June 1998 Conference Location: Raleigh, NC, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Theoretical (T); Experimental (X)
Abstract: Summary form only given, as follows. DSWA is presently supporting plasma opening switch (POS) development focused on improvement of single DECADE module performance and the development of a monolithic POS for the DECADE Quad. The goal for the single module POS is to conduct 1.8 MA in 300 ns and to efficiently drive a nominal 1 Ohm bremsstrahlung diode load with minimal current losses in the POS. Presently, the single module POS conducts 1.4 MA in ~265 ns, with only 60% of the current into the POS producing radiation. A DECADE Quad POS will be required to conduct the combined current from four modules, approximately 10 MA in 300 ns, and to drive a nominal 0.2 Ohm bremsstrahlung diode load. The ACE 4 POS configuration which conducts 3.5 MA in ~900 ns, with the POS opening to about 0.3 Ohms into a high inductance load, is being developed for the DECADE Quad. This paper will report on both the overall technical approaches and the current work to improve the present single DECADE module POS and to extend the present ACE 4 POS technology to the DECADE Quad. An **alternate POS** concept applicable to the DECADE program, the inverse pinch source POS tested on HAWK, will be introduced. The DSWA R&D program emphasizes well diagnosed experiments, tightly coupled to theoretical modeling. (0 Refs)
Subfile: A
Descriptors: bremsstrahlung; plasma simulation; plasma switches
Identifiers: plasma opening switch development; DSWA simulators; DECADE module performance; DECADE Quad; bremsstrahlung diode load; HAWK; theoretical modeling; experiments; 1.8 MA; 1.4 MA; 10 MA; 3.5 MA
Class Codes: A5275K (Plasma switches); A5265 (Plasma simulation)
Numerical Indexing: current 1.8E+06 A; current 1.4E+06 A; current 1.0E+07 A; current 3.5E+06 A

13/5/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

5162027 INSPEC Abstract Number: C9602-6180N-032
Title: Part-of-speech tagging for Portuguese texts
Author(s): Villavicencio, A.; Marques, N.M.C.; Lopes, J.G.P.; Villavicencio, F.
Author Affiliation: Federal Univ. of Rio Grande do Sul, Porto Alegre, Brazil
Conference Title: Advances in Artificial Intelligence. 12th Brazilian Symposium on Artificial Intelligence. SBIA `95. Proceedings p.323-32
Editor(s): Wainer, J.; Carvalho, A.
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 1995 Country of Publication: West Germany xii+342 pp.
ISBN: 3 540 60436 7 Material Identity Number: XX95-02527
Conference Title: Advances in Artificial Intelligence. 12th Brazilian Symposium on Artificial Intelligence. SBIA `95 Proceedings
Conference Date: 10-12 Oct. 1995 Conference Location: Campinas, Brazil
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P); Theoretical (T)
Abstract: We describe the work that is being cooperatively done by

Portugal and Brazil. It uses statistical methods for natural language processing. Namely, we focus on the problem of part-of-speech (POS) tagging. POS Tagging is a recent and successful technique for assigning each word in a sentence its **correct POS** tag. This technique can achieve more than 96% of accuracy, even with unseen untagged texts. All steps involved in this process are described as well as the problems faced. Besides, we present the stochastic approach to POS tagging, which treats the generation of tag alignments as a probabilistic problem. Finally, we report the results achieved by using these kinds of techniques for Portuguese texts. (16 Refs)

Subfile: C

Descriptors: computational linguistics; natural languages; probability; statistical analysis

Identifiers: part-of-speech tagging; Portuguese texts; Portugal; Brazil; statistical methods; natural language processing; untagged texts; stochastic approach; tag alignments; probabilistic problem; tag alignment

Class Codes: C6180N (Natural language processing); C4210L (Formal languages and computational linguistics)

13/5/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

4917522 INSPEC Abstract Number: A9508-5275-027, B9505-8370-042

Title: Plasma opening switch using laser-produced plasma

Author(s): Ihara, S.; Kohno, S.; Katsuki, S.; Akiyama, H.; Maeda, S.

Author Affiliation: Dept. of Electr. Eng. & Comput. Sci., Kumamoto Univ., Japan

Part vol.2 p.531-3 vol.2

Editor(s): Prestwich, K.R.; Baker, W.L.

Publisher: IEEE, New York, NY, USA

Publication Date: 1993 Country of Publication: USA 2 vol. (xxiv+xvi+1072) pp.

ISBN: 0 7803 1416 6

Conference Title: Proceedings of 9th International Pulsed Power Conference

Conference Date: 21-23 June 1993 Conference Location: Albuquerque, NM, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Experimental (X)

Abstract: In order to construct a practical inductive energy storage pulsed power generator, the development of an opening switch which can repeatedly conduct a large current and then rapidly interrupt this current is necessary. Though the plasma opening switch (POS) can interrupt a large current rapidly, the effective number of switch operations is limited because of the decrease of the carbon sprayed on the insulator with each shot. The authors propose a plasma opening switch using laser-produced plasma as an opening switch which can be repeatedly used. The another advantage of the POS with laser produced plasma is that it becomes possible to select more suitable plasma species for the operation of **POS** by **changing** the target materials. (6 Refs)

Subfile: A B

Descriptors: inductive energy storage; interrupters; plasma production by laser; plasma switches; power supplies to apparatus; pulse generators; pulsed power switches; switchgear testing

Identifiers: pulsed power generator; inductive energy storage; laser-produced plasma; current interruption; insulator; plasma species; target materials

Class Codes: A5275K (Plasma switches); A5250J (Plasma production and

heating by laser beams); B8370 (Switchgear); B8360 (Power convertors and power supplies to apparatus); B8350 (Transformers and reactors); B8470 (Other energy storage); B4360 (Laser applications)

13/5/6 (Item 6 from file: 2)
DIALOG(R)File 2:INSPEC

04299624
Title: Will wireless take off? Mervyn's, Eddie Bauer test concept (POS systems)
Author(s): Fox, B.
Journal: Chain Store Age Executive vol.68, no.7 p.50, 52
Publication Date: July 1992 Country of Publication: USA
CODEN: COMLEF ISSN: 0193-1199
Language: English Document Type: Journal Paper (JP)
Treatment: Applications (A); Practical (P)
Abstract: Two vendors-Symbol Technologies and Telxon-have attracted publicity with their separate introductions of so-called hand-held cash registers. Telxon has dubbed its wireless, portable POS product line POS-XPRESS. The flagship of the line is the clipboard-sized POS-5000, a self-contained, full-function **POS** terminal that incorporates **barcode** scanning, magnetic stripe reading, and on-the-spot receipt printing. Symbol's Wireless POS 3400 series contains much the same features. However, it is modular in design, so that the DOS handheld computer and the laser barcode scanner can be removed and used to perform a full range of in-store activities, including price mark-downs and inventory management. One retailer known to be testing the Symbol product is Mervyn's, the 227-store softlines department store division of Dayton Hudson. And one retailer known to be planning a test of Telxon's flagship product is Eddie Bauer, the 208-store apparel chain. (0 Refs)
Subfile: D
Descriptors: mobile radio systems; point of sale systems; retailing
Identifiers: wireless portable POS; Mervyn's; Symbol Technologies; Telxon ; hand-held cash registers; POS-XPRESS; POS-5000; POS 3400; retailer; softlines department store; Dayton Hudson; Eddie Bauer; apparel chain
Class Codes: D2140 (Marketing, retailing and distribution); D4045 (Mobile communications)

13/5/7 (Item 7 from file: 2)
DIALOG(R)File 2:INSPEC

04281831 INSPEC Abstract Number: B9212-6140C-259, C9212-5260B-164
Title: Model-based object pose in 25 lines of code
Author(s): DeMenthon, D.F.; Davis, L.S.
Author Affiliation: Comput. Vision Lab., Maryland Univ., College Park, MD, USA
Conference Title: Computer Vision - ECCV '92. Second European Conference on Computer Vision Proceedings p.335-43
Editor(s): Sandini, G.
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 1992 Country of Publication: West Germany xv+909 pp.
ISBN: 3 540 55426 2
Conference Date: 18-23 May 1992 Conference Location: Santa Margherita Ligure, Italy
Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T); Experimental (X)
Abstract: The authors find the pose of an object from a single image when the relative geometry of four or more noncoplanar visible feature points is known. They first describe an algorithm, POS (Pose from Orthography and Scaling), that solves for the rotation matrix and the translation vector of the object by a linear algebra technique under the scaled orthographic projection approximation. They then describe an iterative algorithm, POSIT (POS with ITerations), that uses the pose found by POS to remove the 'perspective distortions' from the image, then applies **POS** to the **corrected** image instead of the original image. POSIT generally converges to accurate pose measurements in a few iterations. Mathematica code is provided. (9 Refs)
Subfile: B C
Descriptors: complete computer programs; computer vision; computerised pattern recognition; computerised picture processing; position measurement
Identifiers: position; orientation; relative geometry; noncoplanar visible feature points; POS; Pose from Orthography and Scaling; rotation matrix; translation vector; linear algebra technique; scaled orthographic projection approximation; iterative algorithm; POSIT; perspective distortions; Mathematica code
Class Codes: B6140C (Optical information and image processing); C5260B (Computer vision and picture processing); C1250 (Pattern recognition)

13/5/8 (Item 8 from file: 2)
DIALOG(R)File 2:INSPEC

03976857 INSPEC Abstract Number: A91121849
Title: POS driven plasma filled diode loads
Author(s): Thompson, J.; Rix, W.; Davis, P.; Ware, K.
Author Affiliation: Maxwell Labs. Inc., San Diego, CA, USA
Conference Title: Conference Record - Abstracts. 1990 IEEE International Conference on Plasma Science (Cat. No.90CH2857-1) p.204
Publisher: IEEE, New York, NY, USA
Publication Date: 1990 Country of Publication: USA 231 pp.
Conference Sponsor: IEEE
Conference Date: 21-23 May 1990 Conference Location: Oakland, CA, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Experimental (X)
Abstract: Summary form only given. Experiments were conducted on plasma-filled inverse diode and plasma-filled ring diode configurations coupled to a plasma opening switch (POS). Because of the new diode geometries the data obtained can be used to help determine the opening mechanism for the plasma filled diode. Possible mechanisms are erosion or some type of snowplow action. Faraday cups were employed to monitor the plasma distribution in the diode anode-cathode gap. The timing between firing the capacitor bank. POS, and plasma-fill system has been scanned to give data about the effects of variations in plasma densities. Electrical diagnostics for switch and load current and voltage have been augmented bv X-ray measurements for electron energies in the diode. Comparison of POS operation with and without plasma fill was obtained. Current and voltage traces indicate the **change** in **POS** performance realized by use of the plasma filled diode. (5 Refs)
Subfile: A
Descriptors: plasma diagnostics; plasma diodes; plasma switches
Identifiers: electrical diagnostics; current traces; plasma filled diode loads; plasma-filled inverse diode; ring diode configurations; plasma opening switch; erosion; snowplow action; Faraday cups; plasma distribution ; anode-cathode gap; timing; capacitor bank; plasma-fill system; plasma densities; load current; voltage; X-ray measurements; electron energies;

voltage traces
Class Codes: A5275K (Plasma switches); A5270D (Electric and magnetic techniques, probes)

13/5/9 (Item 9 from file: 2)
DIALOG(R)File 2:INSPEC

03769084 INSPEC Abstract Number: D91000168
Title: Voice response: lower-cost POS alternative
Journal: Chain Store Age Executive vol.66, no.10 p.72
Publication Date: Oct. 1990 Country of Publication: USA
CODEN: COMLEF ISSN: 0193-1199
Language: English Document Type: Journal Paper (JP)
Treatment: Economic aspects (E); Practical (P)
Abstract: Cole Key, the Macedonia, Ohio-based key-making and engraved gift concessionaire, considers itself too small to justify the installation of POS terminals. With an initial investment of less than $50000, however, Cole Key is using interactive voice-response, an innovative **alternative** to **POS** technology. Reporting and compiling store-level product line sales figures now takes one day, compared with a formerly tedious manual process that required 2-3 weeks. The prior week's sales information is available to company officials every Monday evening. (0 Refs)
Subfile: D
Descriptors: point of sale systems; retailing; voice equipment
Identifiers: **POS alternative** ; Cole Key; engraved gift concessionaire; interactive voice-response
Class Codes: D2140 (Marketing, retailing and distribution); D3060 (Voice equipment, dictation)

13/5/10 (Item 10 from file: 2)
DIALOG(R)File 2:INSPEC

03765561 INSPEC Abstract Number: D91000183
Title: Source marking helps control physical distribution
Journal: OEP Office Equipment & Products vol.19, no.144 p.42-3
Publication Date: Sept. 1990 Country of Publication: Japan
CODEN: OEPRA4 ISSN: 0387-5245
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: As the need to control inventories and shipments has increased and as electronic equipment has become more versatile and economical, wholesalers and retailers have turned to **point** -of- **sale** (**POS**) systems and **barcode** readers to monitor everything from sales and profits to consumer counts and staffing levels. Now, manufacturers, wholesalers and retailers have begun to pay attention to source marking and the need for a standard physical distribution code. One system used in Europe, which works on corrugated boxes, adds one or two digits to the EAN (European Article Number) code on the box, in order to identify how many EAN-coded products the box contains. The whole code is printed out as an ITF (interleaved 2of5) barcode-one of the few barcodes suitable for printing on corrugated cardboard. ITF barcoding now is employed in automatic reading systems during inspection and inventory procedures. In fact, product inspection was one of the reasons ITF systems were developed. The code and its application are discussed. (0 Refs)
Subfile: D
Descriptors: bar codes; retailing; stock control

Identifiers: physical distribution; wholesalers; retailers; point-of-sale ; barcode readers; European Article Number; interleaved 2of5; automatic reading systems; inspection; inventory procedures
Class Codes: D2140 (Marketing, retailing and distribution)

13/5/11 (Item 11 from file: 2)
DIALOG(R)File 2:INSPEC

03593100 INSPEC Abstract Number: C90029058
Title: Retail logistics
Author(s): Ellram, L.M.; La Londe, B.J.; Weber, M.M.
Author Affiliation: Coll. of Bus., Ohio State Univ., Columbus, OH, USA
Journal: International Journal of Physical Distribution & Materials Management vol.19, no.12 p.29-39
Publication Date: 1989 Country of Publication: UK
CODEN: IJDME4 ISSN: 0020-7527
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: The results from a survey of top retailing executives regarding current logistics practices and trends are described. The focus is on customer service factors, the use of a supply chain management approach in retailing channels, and the impact of information technology on retail logistics today and in the future. Information technologies discussed include electronic data interchange, **point** of **sale** and **barcoding** . The article concludes that based on the importance that retailers attach to customer service, supply chain management and information technology, the 1990s will likely be an exciting and challenging time in the management of the retail logistics function. (10 Refs)
Subfile: C
Descriptors: bar codes; electronic data interchange; logistics data processing; retail data processing
Identifiers: customer service factors; supply chain management; information technology; retail logistics; electronic data interchange; point of sale; barcoding
Class Codes: C7180 (Retailing and distribution); C6130 (Data handling techniques)

13/5/12 (Item 12 from file: 2)
DIALOG(R)File 2:INSPEC

03235358 INSPEC Abstract Number: D88002672
Title: Cheers for cash-back (POS)
Author(s): O'Connor, D.A.
Journal: United States Banker vol.99, no.7 p.59
Publication Date: July 1988 Country of Publication: USA
CODEN: USBAEH ISSN: 0148-8848
Language: English Document Type: Journal Paper (JP)
Treatment: General, Review (G)
Abstract: Cash-back at POS is the process of allowing the retailer to debit the customer's account for $50, deduct $2 for a toothbrush and give the customer $48 in **change** . **POS** , cash-back or otherwise, can increase the number of banking situations for the consumer, providing new opportunities for banking. It is hard to imagine any option that provides greater reach and more customer convenience, at the least cost, than cash-back at the point of sale. From the retailer's point of view, no other service will have greater impact on business. With cash-back available at the POS, the needs of the customer can be satisfied and unproductive ATMs

written off. (0 Refs)
Subfile: D
Descriptors: banking; point of sale systems
Identifiers: cash-back; POS; retailer; unproductive ATMs
Class Codes: D2050E (Banking); D2140 (Marketing, retailing and distribution)

13/5/13 (Item 13 from file: 2)
DIALOG(R)File 2:INSPEC

03124335 INSPEC Abstract Number: C88031297
Title: Application and problem of POS data
Author(s): Takashima, S.
Journal: Data Communication and Processing vol.19, no.9 p.89-97
Publication Date: 1987 Country of Publication: Japan
CODEN: DTSUDF ISSN: 0285-9394
Language: Japanese Document Type: Journal Paper (JP)
Treatment: Applications (A)
Abstract: At present, POS equipment is mainly introduced into sales stores and CVS and partly into department stores and special stores. POS data is mainly collected from processed foodstuffs and general merchandise on which the JAN code is attached. POS data is characterized by properties such as accomplishment, type, correctness, speed, economy and future prospects in contrast to conventional marketing data. A new study of **POS** data may **change** the marketing research system and marketing system within a whole retail business and manufacturers. The progress of markets depend heavily on the use of the marketing information presented by the POS. (0 Refs)
Subfile: C
Descriptors: point of sale systems
Identifiers: POS data; POS equipment; sales stores; department stores; marketing research system; retail business
Class Codes: C7180 (Retailing and distribution)

13/5/14 (Item 14 from file: 2)
DIALOG(R)File 2:INSPEC

03003409 INSPEC Abstract Number: D87002883
Title: Hi-tech lights up sales (point of sale display systems)
Author(s): Oliver, B.
Journal: Marketing p.35, 37
Publication Date: 10 Sept. 1987 Country of Publication: UK
CODEN: MARKBC ISSN: 0025-3650
Language: English Document Type: Journal Paper (JP)
Treatment: Applications (A)
Abstract: **Point** of **sale** is **changing** fast. New technology has arrived, with talking heads and magic mirrors the latest tricks of the trade. Multicoloured moving message signs are also being introduced, along with POS display equipment harnessing interactive electronics, holograms, fibre optics, robotics and electromagnetic forces. High tech systems can defeat the purpose of POS display if they attract too much attention to themselves, instead of to the product, but many believe genuinely new POS ideas are long overdue. It is important to apply strategic marketing disciplines. Is the POS device appropriate to the market, the outlet environment, and the target audience? Does the impact justify the investment? If so, then there's a good chance that POS innovation will pay dividends. (0 Refs)

Subfile: D
Descriptors: point of sale systems
Identifiers: point of sale displays; multicoloured moving message signs; sales; magic mirrors; POS display equipment; interactive electronics; holograms; fibre optics; robotics; marketing
Class Codes: D2140 (Marketing, retailing and distribution)

13/5/15 (Item 15 from file: 2)
DIALOG(R)File 2:INSPEC

02760518 INSPEC Abstract Number: C86056969, D86002895
Title: Calra Code provides innovative barcode applications
Author(s): Harada, H.M.
Journal: OEP Office Equipment & Products vol.15, no.95 p.58-60
Publication Date: Sept. 1986 Country of Publication: Japan
CODEN: OEPRA4 ISSN: 0387-5245
Language: English Document Type: Journal Paper (JP)
Treatment: Applications (A); General, Review (G)
Abstract: The Calra Code introduces a new unique coding system of blacking out squares of pre-arranged formats. This extensively saves cost as it no longer requires specially printed labels and it should bring the POS system within the reach of small and medium business operators where high cost had been the prohibitive factor in installing the present **barcode POS** system. (0 Refs)
Subfile: C D
Descriptors: mark scanning equipment; point of sale systems
Identifiers: barcode applications; Calra Code; coding system; POS system; business operators
Class Codes: C7180 (Retailing and distribution); D2140 (Marketing, retailing and distribution)

13/5/16 (Item 16 from file: 2)
DIALOG(R)File 2:INSPEC

02659611 INSPEC Abstract Number: D86001298
Title: Debit and credit cards to a crossroads
Author(s): Duffy, H.
Journal: Magazine of Bank Administration vol.62, no.2 p.32-6
Publication Date: Feb. 1986 Country of Publication: USA
CODEN: MBAAA5 ISSN: 0024-9823
Language: English Document Type: Journal Paper (JP)
Treatment: General, Review (G)
Abstract: The banking industry has yet to reach a consensus as to the direction plastic cards will take at the point of sale. Large card issuers have been arguing that credit cards should not bear debit card logos, and that debit and credit cards should be issued separately as stand-alone devices with their own marks. The call for separate credit and debit cards may well be a moot point because bank credit cards have already incorporated both the credit and debit function into a single card concept. A greater emphasis needs to be placed on marketing and product planning. Determine what your customers will accept. Communicate your bank's needs to your network partners and have your planning staff prepare strategies for **alternative POS** products for both credit and debit cards. (0 Refs)
Subfile: D
Descriptors: banking; credit transactions
Identifiers: credit cards; banking; plastic cards; logos; debit cards; marketing; product planning

Search Performed by Sylvia Keys 16-Mar-04

Class Codes: D2050E (Banking)

13/5/17 (Item 17 from file: 2)
DIALOG(R)File 2:INSPEC

02640487 INSPEC Abstract Number: D86001105
Title: POS **at NBO:** alterations **are included**
Journal: Chain Store Age Executive vol.62, no.1 p.88-92
Publication Date: Jan. 1986 Country of Publication: USA
CODEN: COMLEF ISSN: 0193-1199
Language: English Document Type: Journal Paper (JP)
Treatment: Applications (A); General, Review (G)
Abstract: Secaucus, New Jersey-based National Brands Outlet shopped the POS market and ultimately purchased a system that not only meets its needs for today, but also for the year ahead. The International Computers Limited (ICL) model 9518 is installed in the chain's 20 units, and for the first time, clerks no longer have to spend two hours daily to record and tally sales manually. Customers no longer have to wait in line while salesclerks jot down the information pertinent to their purchases. Today, clerks use key entry to capture salesclerk and cashier identification, the type of transaction (sale or return), sales data, method of payment and discount. On the horizon are such things as price look-up (PLU), scanning and credit authorization. (0 Refs)
Subfile: D
Descriptors: point of sale systems
Identifiers: ICL; model 9518; POS; National Brands Outlet; International Computers Limited; price look-up; PLU; scanning; credit authorization
Class Codes: D2140 (Marketing, retailing and distribution)

13/5/18 (Item 18 from file: 2)
DIALOG(R)File 2:INSPEC

02605468 INSPEC Abstract Number: C86013709
Title: Analysis of reasons for introducing bar coding and subsequent effect on stock control
Author(s): Chalmers, J.
Conference Title: AIM (UK) '85. Combined Conference and Exhibition on Automatic Identification p.3 pp.
Publisher: AIM (UK), Halifax, UK
Publication Date: 1985 Country of Publication: UK 206 pp.
Conference Sponsor: AIM UK
Conference Date: 17-19 April 1985 Conference Location: London, UK
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A)
Abstract: Easey Garments (UK) Ltd is a UK-based subsidiary of a Hong Kong-based organisation concerned primarily with the manufacture of casual clothing. With the rapid strides that microcomputer technology has made over recent years, the opportunity presented itself to transfer the task of recording sales to the branches by requiring that all sales would have the **barcode** read at the **point** of **sale** , or if the **barcode** tag was missing or damaged, that a backing means of recording the sale could be used, with a total of sales being maintained and transferred to us either by downloading a tape to the head office computer on a daily or weekly basis, or by sending such a tape periodically. Although there is a small increase in the speed at which the system is updated, the main advantage gained in utilising bar coding has been that the accuracy of the data entered has been improved enormously. This has resulted in staff spending

much less time rectifying mistakes, and much more faith in the computer system. (0 Refs)
Subfile: C
Descriptors: mark scanning equipment; point of sale systems; stock control data processing; textile industry
Identifiers: clothing manufacture; garments; sales recording; point of sale systems; magnetic tape downloading; bar coding; stock control; microcomputer technology
Class Codes: C5590 (Other peripheral equipment); C7160 (Manufacturing and industry)

13/5/19 (Item 19 from file: 2)
DIALOG(R)File 2:INSPEC

02445872 INSPEC Abstract Number: B85030740, C85025093
Title: A credit authorisation service
Author(s): Horne, C.
Conference Title: IEE Colloquium on Developments in Electronic Point of Sale (Digest No.102) p.5/1-3
Publisher: IEE, London, UK
Publication Date: 1983 Country of Publication: UK 54 pp.
Conference Sponsor: IEE
Conference Date: 13 Dec. 1983 Conference Location: London, UK
Language: English Document Type: Conference Paper (PA)
Treatment: General, Review (G)
Abstract: This paper covers a variety of topics in order to explain the current state of the art in credit authorisation in the UK-that is, use of the transaction telephone to give on-line authorisation of transactions at a retail **point** of **sale** . It looks at **changes** in the usage of credit cards, the market requirements that gave rise to the transaction telephone specification and the network links that are used to provide the authorisation service. Finally some pointers are given on how the service might evolve. The paper focuses on market requirements and overall system description rather than being exclusively technical. (0 Refs)
Subfile: B C
Descriptors: computer networks; point of sale systems; retail data processing; telephony
Identifiers: online authorization; credit authorisation service; UK; transaction telephone; retail point of sale; credit cards; market requirements; network links; system description
Class Codes: B6210D (Telephony); B6210L (Computer communications); C5620W (Other networks); C7180 (Retailing and distribution)

13/5/20 (Item 20 from file: 2)
DIALOG(R)File 2:INSPEC

02365591 INSPEC Abstract Number: D85000053
Title: Retail, petroleum, bank execs look at POS to boost efficiency
Journal: Bank Systems & Equipment vol.21, no.10 p.48
Publication Date: Oct. 1984 Country of Publication: USA
CODEN: BSEQD6 ISSN: 0146-0900
Language: English Document Type: Journal Paper (JP)
Treatment: Applications (A); General, Review (G)
Abstract: The following topics dominated a discussion of point-of-sale (POS) by representatives of the retailing, petroleum and banking industries in an 'Industry Trends' session at the American Bankers Association National Bank Card Conference: networking difficulties, pricing confusion

and questions about cost-effectiveness. But despite current problems, the speakers looked at point-of-sale as the next step toward a more efficient payments system. Exxon Co., USA currently is running a number of tests to get more definitive answers on how POS will affect competition, what consumer preferences in electronic payment **alternatives** are, and what **POS** equipment configurations work best. One of these tests is running with First City Bancorporation of Houston, Texas. POS in Texas is very likely the forerunner for what will happen on a national basis. (0 Refs)
Subfile: D
Descriptors: banking; EFTS; petroleum industry; point of sale systems
Identifiers: retailing; petroleum; banking industries; American Bankers Association National Bank Card Conference; networking; point-of-sale; Exxon Co.; electronic payment; POS equipment; First City Bancorporation
Class Codes: D2050E (Banking); D2070 (Industrial and manufacturing); D2140 (Marketing, retailing and distribution)

13/5/21 (Item 21 from file: 2)
DIALOG(R)File 2:INSPEC

01409695 INSPEC Abstract Number: A79081383, B79043072
Title: Aberration corrections for a POS hologram scanner
Author(s): Ikeda, H.; Ando, M.; Inagaki, T.
Author Affiliation: Fujitsu Lab Ltd., Nakaharaku, Kawasaki, Japan
Journal: Applied Optics vol.18, no.13 p.2166-70
Publication Date: 1 July 1979 Country of Publication: USA
CODEN: APOPAI ISSN: 0003-6935
Language: English Document Type: Journal Paper (JP)
Treatment: Theoretical (T); Experimental (X)
Abstract: Use of an optically generated IZP (interferometric zone plate) hologram scanner enables high accurate reading in a supermarket point-of-sale (POS) label reader with a simple optical arrangement. The laser beam spots on the scanning plane which construct the lattice scan pattern designed for the POS label reader cause severe aberrations when a conventional IZP hologram is used. A simple and effective method for removing the aberration is discussed from both the theoretical and experimental aspects, and the feasibility of the method is demonstrated. This method employs oblique-angle coherent plane-wave illumination in the IZP hologram recording process. (4 Refs)
Subfile: A B
Descriptors: aberrations; holographic instruments; optical zone plates
Identifiers: hologram scanner; high accurate reading; simple optical arrangement; laser beam spots; scanning plane; lattice scan pattern; aberration corrections; optically generated interferometric zone plate; supermarket point of scale label reader; oblique angle coherent plane wave illumination
Class Codes: A4230F (Aberrations); A4240K (Holographic instrumentation and techniques); A4280B (Spatial filters, zone plates); A4280E (Shutters, windows, diaphragms, deflectors, choppers, and optical scanners); B4350 (Holography)

13/5/22 (Item 22 from file: 2)
DIALOG(R)File 2:INSPEC

01334184 INSPEC Abstract Number: C79012889
Title: What portable terminals are going to do for OCR (optical character recognition)
Author(s): Billman, D.

Journal: Computer Weekly vol.25, no.631 p.15
Publication Date: 14 Dec. 1978 Country of Publication: UK
CODEN: COMWAA ISSN: 0010-4787
Language: English Document Type: Journal Paper (JP)
Treatment: General, Review (G)
Abstract: The author outlines a few of the uses of hand-held OCR readers. These include use by department stores, libraries and by retailers as low-cost **alternatives** to **point** -of- **sale** cash registers. (0 Refs)
Subfile: C
Descriptors: optical character recognition
Identifiers: portable terminals; OCR; optical character recognition; OCR readers; portable OCR readers
Class Codes: C5530 (Pattern recognition equipment)

13/5/23 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01244451 ORDER NO: AAD92-31839
ENZYMATIC CHANGES IN RICE CALLUS LINES TOLERANT TO PICOLINIC ACID (PEROXIDASE, POLYPHENOLOXIDASE)
Author: WIDIYANTO, SRI NANAN MARTIANA
Degree: PH.D.
Year: 1992
Corporate Source/Institution: COLORADO STATE UNIVERSITY (0053)
Adviser: MURRAY W. NABORS
Source: VOLUME 53/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 2619. 128 PAGES
Descriptors: AGRICULTURE, PLANT PHYSIOLOGY; AGRICULTURE, PLANT CULTURE; AGRICULTURE, PLANT PATHOLOGY
Descriptor Codes: 0817; 0479; 0480

In this study, I selected rice callus lines tolerant to α-picolinic acid (PA) from two javanica rice cultivars, Rojolele and Ketan Hitam. Successive increases in PA concentrations in callus-induction media induced the production of embryogenic callus lines tolerant to PA. I completed the enzymatic analyses and morphological evaluations of selected callus lines in relation to their tolerance to PA.

Studies of peroxidases (POs; EC 1.11.1.7) and polyphenoloxidases (PPOs; EC 1.14.18.1) indicate that the activity of these enzymes in callus cells changes during the course of culture. Comparative studies of enzyme activity show that there are no consistent differences between PO activity in control callus lines and PO activity in PA-tolerant callus lines. The activity of PPOs shows similar results.

Electrophoretic separations indicate that isozyme patterns of the **POs** and PPOs **change** during the investigation period of 21 days. In addition, PO and PPO isozyme patterns in the PA-tolerant callus lines are different from those of the control callus lines. The number of bands and the intensity of specific bands indicate differences in the PO and PPO isozyme patterns. Both Rojolele and Ketan Hitam callus lines show similar results. These results indicate that selection of callus lines tolerant to PA induces changes in the PO and PPO isozyme patterns. Changes in isozyme patterns of the POs and PPOs are more sensitive markers than changes in the activity for indicating tolerance trends in selected callus lines. Further observations show that changes in isozyme patterns of POs and PPOs occur before changes in morphology of the callus cultures.

13/5/24 (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01145028 ORDER NO: AAD91-05235
THE EFFECT OF INFORMATION TECHNOLOGY ON RETAIL LOGISTICS
Author: WEBER, MARY MARGARET
Degree: PH.D.
Year: 1990
Corporate Source/Institution: THE OHIO STATE UNIVERSITY (0168)
Adviser: BERNARD J. LA LONDE
Source: VOLUME 51/10-A OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 3262. 275 PAGES
Descriptors: INFORMATION SCIENCE; BUSINESS ADMINISTRATION, MARKETING
Descriptor Codes: 0723; 0338

The rapid changes occurring in retailing may mean that the future of retailing success lies in the ability of a firm to exploit information technology to create a competitive advantage in the marketplace. However, there are questions about whether or not retailers are doing an adequate job of managing the changes resulting from the adoption of information technology. If not, a rather substantial gap between the opportunities presented by information technology and the applications of information technology that take advantage of those opportunities may exist. The purpose of the research was to examine how and to what extent information technology is being used in retailing and how that use affects the practice of logistics. Specifically, the research examined why retailers adopt information technology, the changes in organizational structure perceived to result from adoption, and how retailers plan for and manage those changes. The specific technologies studied were **point** -of- **sale** , distribution center **barcoding** , and electronic data interchange.

The research indicates that the primary motivations retailers have for adopting information technology are cost savings and productivity increases. While some retailers do consider improvements in customer service and increased competitive advantage to be benefits of information technology adoption, they are not generally considered sufficient justification to adopt information technology.

The research also found that significant changes in organizational structure are perceived to occur as information technology is adopted. Improvements in communications, increased productivity, and changes in activity levels were all perceived to result from the adoption of information technology. In addition, the research found that those firms that had already successfully adopted fairly high levels of information technology tended to have more formal processes for managing the adoption process.

Finally, the research provides information about estimated current and future usage rates of **point** -of- **sale** , distribution center **barcoding** , and electronic data interchange. Retailers are predicting very rapid rates of increase in the use of information technology over the next two to five years.

13/5/25 (Item 3 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01141702 ORDER NO: AAD91-03450
RELATIONSHIPS BETWEEN CUSTOMER PURCHASING PREFERENCES AND SELECTED MARKETING METHODOLOGIES
Author: MOORE, BETTIE J.
Degree: PH.D.
Year: 1990
Corporate Source/Institution: COLORADO STATE UNIVERSITY (0053)

Source: VOLUME 51/09-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3051. 130 PAGES
Descriptors: EDUCATION, VOCATIONAL; EDUCATION, BUSINESS
Descriptor Codes: 0747; 0688

The purpose of this study of visual merchandising was to provide curriculum development information for specialists designing student programs in the retail/marketing areas of vocational education and for people in small sales organizations. The main objective of the study was to determine the relationship between thrift store customers' preferences, point-of-purchase unit displays and counter top/bin unit displays.

Data were collected from 120 thrift store customers by a personal interview survey instrument. The population for this study included all individuals who entered the four designated Goodwill stores during the interview period. One hundred twenty individuals agreed to be interviewed, resulting in an 80 percent sample of those who qualified for the interview. Descriptive statistics in terms of frequencies, percentages, analysis of variance and the Duncan Multiple Range Test, and interviewer observations were used to report the data.

The major findings were: (1) **point** -of- **sale** customer rack **display** units for **merchandise** were customers' preference over other display methods in all thrift store locations; (2) price was the most important factor in customer selection of merchandise in all store locations; (3) color was the second major factor in customer preferences; however, the degree varied according to store location, with stores in more affluent areas reflecting a higher degree of importance attached to color; (4) impulse was least important in customers' purchasing decisions in the more depressed store locations; (5) income was not a factor in customer preference; and (6) location of stores influenced customers' shopping, their preferences being stores located in the more affluent areas.

13/5/26 (Item 4 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

1064928 ORDER NO: AAD13-35387
POS: AN EMERGING UTILITY
Author: MARSHALL, JOYCE KOESTER
Degree: BANK
Year: 1988
Corporate Source/Institution: THE STONIER GRADUATE SCHOOL OF BANKING (6360)
Source: VOLUME 27/03 of MASTERS ABSTRACTS.
PAGE 337. 253 PAGES
Descriptors: BUSINESS ADMINISTRATION, BANKING; ECONOMICS, COMMERCE-BUSINESS
Descriptor Codes: 0770; 0505

The premise which this thesis supports is that the time is finally now becoming right for POS. The payments system today is in that "time of parenthesis" beyond which is a future complimented by a new electronic convenience for consumers at the point of sale. The thesis begins by providing a historical perspective of **point** -of- **sale** . Next, the two basic **alternatives** for **POS** program implementation are examined: immediate on-line or EFT/POS and next day off-line or ACH/POS. The thesis then explores POS from the perspective of the retailer, the financial institution, and the consumer. In each area, the thesis focuses on the economic considerations of point-of-sale. With the service subscriber base thus qualified, the thesis then provides an in-depth analysis of the cost/benefits of point-of-sale. It concludes in presenting arguments that

suggest that POS must become a utility, a necessary component to the business of transacting retail payments.

13/5/27 (Item 5 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

0990163 ORDER NO: AAD88-09281
LEADERSHIP IN U.S. PROTESTANT DEVELOPMENT ORGANIZATIONS: THE INFLUENCE OF RELIGIOUS BELIEFS ON ATTITUDES, POLICIES, AND PROGRAMS (UNITED STATES)
Author: MAST, FLOYD MERLE
Degree: PH.D
Year: 1987
Corporate Source/Institution: UNIVERSITY OF PITTSBURGH (0178)
Source: VOLUME 49/04-A OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 0947. 296 PAGES
Descriptors: POLITICAL SCIENCE, PUBLIC ADMINISTRATION
Descriptor Codes: 0617

Development in the Third World has become a major focus of governments and nongovernmental agencies. Among the many agencies involved are Protestant Organizations (POs). Some POs have a long history that began in evangelism and/or relief. In contrast to secular organizations, POs have a normative-religious base for their involvement and have, historically, called for basic changes in individuals and societies where they were involved.

In the past several decades there has been a growing awareness of the ethical and even spiritual dimensions of the changes that can be described as development. In this research it has been contended that the values and beliefs underlying development programs are important to the process of development. More specifically, it was hypothesized that religious beliefs, which have been shown in other research to influence attitudes toward social issues, will influence the development perspective of leaders in POs as well as the development behavior of POs.

In order to test the basic hypotheses a mail survey of leaders, in over 150 Protestant organizations, was carried out using a questionnaire designed to explore their religious beliefs and opinions concerning development issues. Four major dimensions of belief (Orthodoxy, Otherworldly/Orientation, Dualism, and Salience) were included. Indices dealing with four development issues were developed: (a) the importance of economic as opposed to socio-political change, (b) the importance of changing individuals as compared to societal systems, (c) the emphasis placed on issues of justice, and (d) the emphasis placed on participation.

In addition to the survey, interviews with several PO leaders were conducted and literature from a small sample of POs was examined for concepts from a Relational Model that was developed from the writings of secular and religious authors.

Analysis of survey results, which included descriptive statistics and regression, generally supported the hypothesized relationships. In general respondents holding more conservative religious beliefs were less "activist" in their opinions concerning (a) issues of justice and (b) economic change as opposed to socio-political **change** .

POs that are involved primarily in relief and economic development may not be maximizing the underlying moral/religious force for fundamental change leading to development.

13/5/28 (Item 6 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

936187 ORDER NO: AAD86-25908
THE DIFFERENTIAL EFFECT OF REINFORCEMENT CONTINGENCIES UPON TASK PERFORMANCE OF CHILDREN RATED EITHER HIGH OR LOW IN SELF CONTROL (ATTENTION DEFICIT DISORDER (ADD))
Author: OLSEN, STEPHEN BRADLEY
Degree: PH.D.
Year: 1986
Corporate Source/Institution: UNIVERSITY OF MINNESOTA (0130)
Source: VOLUME 47/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3537. 102 PAGES
Descriptors: PSYCHOLOGY, CLINICAL
Descriptor Codes: 0622

Although a variety of behavioral procedures have been used to successfully treat child behavior disorders, there continues to be treatment failures suggesting that existing treatment techniques could be improved upon. One possible reason for this lack of treatment success is the difficulty in matching behavioral treatment techniques with the specific array of individual-environmental variables presented by the child. This present study compared the effectiveness of three reinforcement contingencies--positive reinforcement delivered after every **correct** response (**POS** 1), positive reinforcement delivered after every five responses (POS 5), and response cost (RC) in reducing the errors and increasing the response latencies of children rated either high or low in self control upon an academic task. Subjects were 50 males and 25 females with a mean age of ten years, who were randomly assigned to receive one of the three reinforcement contingencies. It was hypothesized that level of self control would have a marked effect upon the number of items answered correctly with the children rated low in self control responding differently to the reinforcement contingencies than the children rated high in self control. It was also hypothesized that the three reinforcement contingencies would have similar effects upon the response latencies of both self control groups.

Results revealed that level of self control was a powerful factor in predicting number of correct responses. While it appeared that the reinforcement contingencies had similar effects upon error rate of both high and low self control children, it was only under the RC contingency that the low self control children significantly decreased their error rate from the baseline error rate. Response latency showed considerable variability although there was a pattern that the RC contingency produced the longest response latencies. The results were interpreted as supporting the contention that self control is an integral component in the current definitions of hyperactivity, and that response cost contingencies are the behavioral treatment of choice when attempting to improve the academic performance of low self control children.

13/5/29 (Item 7 from file: 35)

797939 ORDER NO: AAD82-28009
A READING COMPREHENSION STRATEGY: AN ETHNOGRAPHIC STUDY OF THE PERSONAL OUTLINING STRATEGY
Author: WILHOYTE, WILLIAM PAUL
Degree: ED.D.
Year: 1982
Corporate Source/Institution: UNIVERSITY OF MARYLAND (0117)
Source: VOLUME 43/08-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2620. 359 PAGES
Descriptors: EDUCATION, READING
Descriptor Codes: 0535

The purpose of this study was to examine the reading behaviors and performance of 18 fourth grade students as the students were introduced to, used and refined the Personal Outlining Strategy (POS) in an instructional setting. The ethnographic paradigm provided the basis for data collection. Data were collected on 19 questions. Post hoc group profiles were developed for students independently successful and independently unsuccessful using the POS. Historical, subjective teacher and student self-report data were maintained. The sample was comprised of 18 students reading between the 4.0 and 5.0 levels selected from two classrooms. The students were assigned to groups of six and received 10 to 20 lessons using the POS and power builders ranging from the 4.0 to 4.6 reading level from the Scientific Research Associates IIc kit.

The POS required students to read for important ideas which were discussed and recorded on an outline. Students located supporting details for the ideas. Students successful in the teacher-directed setting with the strategy identified two important ideas and three supporting details for each idea which coincided with ideas and details agreed upon by a panel of experts. Opportunities for independent success were provided at designated lessons.

Randomization of population was not a part of the present study, thus the conclusions were not generalizable to any other population.

Conclusions. The POS was an effective instructional strategy for all students in the identification of important ideas and the locating of supporting details. The POS was used with success differently by various students suggesting the strategy was adaptable. Increased discussion time appears to have enhanced students' success using the POS.

Implications for Theory. The present study developed no new findings. The findings do appear to support previous findings regarding the importance of discussion time. The individual nature of student learning styles, and past success as a possible predictor of future success.

Implications for Research. The major implications for future research were to investigate: the qualitative nature of increased discussion time, the students' application responses to the POS over an extended time and the application responses of students from different grade levels and reading abilities.

Implications for Teaching. The **POS** may offer an **alternative** strategy in reading that may be adaptable to individual learning styles and that may focus students on the cognitive processing of important information.

13/5/30 (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00501579 98CW07-217
Jargon Judge -- ``Point-of-sale device''
McCrory, Anne
Computerworld , July 20, 1998 , v32 n29 p51, 1 Page(s)
ISSN: 0010-4841
Languages: English
Document Type: Articles, News & Columns
Geographic Location: United States
JARGON JUDGE column provides a profile on the use of ``point-of-sale devices.'' as a new term. Says the cash register of the past has come a long way in recent years. Explains aided by bar codes on products, a

scanning laser beam and all kinds of software, it is often nothing less than a complete inventory and replenishment system. Adds at the end of the day, the POS device can tell management what items customers from a given town purchased or how many people brought only sale items. Adds although calling cash registers `` **point** -of- **sale** '' devices is technically **correct** , the name cash registers is probably here to stay because it is an integral part of the legacy. (EB)
Descriptors: Hardware; Sales; Inventory; Management

13/5/31 (Item 2 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00215514 90IN04-408
Enhancing one's focus IBI says its new 4GL gives users universal data access
Todd, Daniel
InformationWEEK , April 30, 1990 , n268 p56, 1 Pages
ISSN: 8750-6874
Languages: English
Document Type: Software Review
Grade (of Product Reviewed): b
Hardware/Software Compatibility: IBM PC; IBM PC Compatible
Geographic Location: United States
Presents a favorable review of PC/Focus 5.5 ($1,295), data access syntax software for cooperative processing, from Information Builders Inc. Runs on the IBM PC or compatible. Says this enhanced version includes a Direct/Connect feature to provide PC-to-mainframe cooperative processing capabilities. Also says the Direct/Connect feature allows attachment of **barcode** readers to the **point** -of- **sale** terminals. (tbc)
Descriptors: Multiprocessing; Micro-mainframe Link; Upgrade; Software Review
Identifiers: PC/Focus; Information Builders

13/5/32 (Item 3 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00180952 88CW11-202
MIS plows on as merger war escalates
Ryan, Alan
Computerworld , November 14, 1988 , v22 n46 p1, 184, 2 Pages
ISSN: 0010-4841
Languages: English
Document Type: Feature Articles and News
Geographic Location: United States
Reports that Bob Forte, vice-president of MIS at Burger King, has been looking to replace **point** -of- **sale** systems that will **change** the way Burger King operates. Says there is uncertainty now because the parent company, Pillsbury, may sell Burger King to thwart a hostile takeover by Grand Metropolitan PLC, a British distiller. Says that Forte is proceeding anyway with the new technologies. Includes one photo. (jb)
Descriptors: Corporate Information; Food; Mergers/Acquisitions; Sales ; Upgrade
Identifiers: Burger King; Pillsbury; Grand Metropolitan

13/5/33 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

09006612
La loi Evin retouchZe
FRANCE: CHANGES TO THE EVIN LAW
StratZgies (XOD) 23 Oct 1998 p.79
Language: FRENCH

Two **changes** concerning **point** of **sale** tobacco advertising have been made to the Evin law. Manufacturers may now use posters with an area of 0.48 square metres, but they must not be more than 30 cm <sic> thick. In addition, the tobacconists must make sure that there is no sign reminding one of a tobacco product on the brochures and leaflets made available to clients for games and contests.

PRODUCT: Cigarettes (2111);
EVENT: Marketing Procedures (24);
COUNTRY: France (4FRA);

13/5/34 (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

06436111
Cards Asia returns
SINGAPORE: GOODS RELATED TO CARDS ON EXHIBITION
Computerworld (XCK) 27 Feb 1997 P.4
Language: ENGLISH

Cards Asia, which exhibits goods in the cards-related industry and demonstrates technologies, will be held in Singapore between 11-13 March 1997. 50 exhibitors from 110 firms will take part in the **exhibition** . **Goods** on **display** include **Point** of **Sale** equipment, IC chip cards, personal identification and security software, readers and integration systems. There will also be the Cards Asia Conference in which 50 speakers from around the world will talk on issues focusing on the Asian region.

PRODUCT: Computers & Auxiliary Equip (3573);
EVENT: Marketing Procedures (24);
COUNTRY: Singapore (9SIN); General Worldwide (0W);

13/5/35 (Item 3 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

06198553
L'art de siduire tout en intigrant les exigences du distributeur
FRANCE: CHANGE IN THE ROLE OF POS DISPLAY
Emballages Magazine (ESM) Sep 1995 p.46
Language: FRENCH

In France, although the basic role of POS display is to identify the article, it now must enhance the article, adding to its attractiveness. Therefore designers must show originality and creativity; The **POS** display materials are **changing** ; wood, cork and fabric are used, as well as new technology such as interactive media. POS display also participates in trade marketing. The brands and the designers are setting up POS displays which include the brand constraints and the retailers.

Search Performed by Sylvia Keys 16-Mar-04

PRODUCT: Beverages (2080); Food & Drink (2000);
EVENT: Marketing Procedures (24);
COUNTRY: France (4FRA);

13/5/36 (Item 4 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

06118975
Les lettres de noblesse de la PLV
FRANCE: THE POS MARKET IN 1994
Strategies (XOD) 3 Feb 1995 p.21
Language: FRENCH

In France, the POS display Oscars were awarded on 3 February 1995. This market is assessed at FFr 5bn for 1994. This sector has posted a 7% rise in turnover annually since 1992, and it averaged a 17% annual rise between 1986 and 1990. While the sector was hit by the decreased advertising budgets, advertisers are paying more attention to point of sale. The share of advertising budgets for **POS** corresponds to a **change** in the people in charge of POS at the advertisers. Now 63% of those in charge of POS are marketing directors. Outside of France, there is a reluctant attitude. In order to alleviate this, the National POS Association has developed a catalogue introducing ten French manufacturers, and this has been sent to 2,000 advertisers in Europe.

PRODUCT: Public Affairs (9919);
EVENT: Sales & Consumption (65); Market & Industry News (60);
COUNTRY: France (4FRA);

13/5/37 (Item 5 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

05686087
Go anywhere terminal
UK - TELXON LAUNCHES POS EXPRESS
Storage Handling & Distribution (SHD) 0 January 1993 p21
ISSN: 0039-1832

Telxon has introduced the POS EXPRESS (POS 500) wireless portable **POS** terminal, combining advanced **barcode** scanning, Telxon technology, on-the-spot printing, instant credit validation and wireless RF data comms. It is the first-ever full function battery powered, go-anywhere POS terminal and weighs 4.5 lb. Memory is up to 4Mbytes RAM and the machine has around the outline of an A4 sheet.

COMPANY: TELXON

PRODUCT: POS Terminals (3573PT);
EVENT: NEW PRODUCT EXTENSION (33);
COUNTRY: United Kingdom (4UK); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420); South East Asia Treaty Organisation (913);

13/5/38 (Item 6 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

04330518
SABRE AWARDS SCANNER CONTRACT TO SPECTRA-PHYSICS
US - SABRE AWARDS SCANNER CONTRACT TO SPECTRA-PHYSICS
Retail Week (RWK) 7 June 1991 p3

Sabre Group (US) has asked Spectra-Physics Scanning Systems to install around 10k model SP300 handheld **point** of **sale** **barcode** scanners for use in its 245 department stores. Sabre is a division of Federated Department Stores (US).

PRODUCT: Electronic Point of Sale Systems (3573EP); Data Processing in Retail Sector (3573RS);
EVENT: CONTRACTS & ORDERS (61);
COUNTRY: United States (1USA); NATO Countries (420); South East Asia Treaty Organisation (913);

13/5/39 (Item 7 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

03500463
IMPROVED **BARCODE** SCANNING ON **POINT** OF **SALE** TERMINAL
JAPAN - IMPROVED **BARCODE** SCANNING ON **POINT** OF **SALE** TERMINAL
Office Equipment & Products (OEP) 0 May 1990 p26
ISSN: 0387-5245

NEC will begin shipments of its new N6870 point of sale system featuring a downward radiating scanner, in June 1990. Designed to remove the need to turn a barcode to face the scanner, the new system is compatible with NEC ACOS/3100A computers and supports up to 32 terminals. The system is designed to allow the point of sale system to continue running even if the controller develops a fault. A system comprising a POS controller, six POS terminals with built-in printers and scanners, a Japanese word processor and the operating program costs Y12.85 mil.

PRODUCT: Electronic Point of Sale Systems (3573EP);
EVENT: PRODUCTS, PROCESSES & SERVICES (30);
COUNTRY: Japan (9JPN); OECD Pacific (915);

13/5/40 (Item 8 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

01412111
TIMEX SIGNS FOUR ELECTRONICS CONTRACTS
PORTUGAL - TIMEX SIGNS FOUR ELECTRONICS CONTRACTS
Expresso (EXP) 24 October 1987 p2E
Language: Portuguese

Timex Portugal has signed four contracts with Minolta, IBM, Hugien Sveda and Develop worth a total of $30m. The contract with Minolta, worth $10m, involves the design and production of electronic parts for photocopiers and telefax equipment. With IBM, Timex will design and produce sophisticated hard discs for computers. The contract with Hugien Sveda, worth $20m, is for the development of **POS** terminals and peripherals (**barcode** readers, scanners, etc.) for European and N American markets. The contract with Develop, worth $1.5m, is for the design of prototypes and development of

test equipment for photocopiers and faxes.

PRODUCT: Electronic Point of Sale Systems (3573EP); Facsimile Equipment (3662FX); Magnetic Media/Drives (3679MM); Electronic Test & Measurement (3825EE); Telecom Test Equipment (3825TT); Facsimile Services (4811FS); Blueprint & Photocopy Svcs (7332);
EVENT: CONTRACTS & ORDERS (61);
COUNTRY: Portugal (4POR); European Economic Community Countries (419); NATO Countries (420);

13/5/41 (Item 9 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

00896286
GAR-DOC INTRODUCES FRAGRANCE LABELS
US - GAR-DOC INTRODUCES FRAGRANCE LABELS
Control & Instrumentation (CI) 10 February 1987 p8
ISSN: 0010-9215

Gar-Doc has introduced printed labels containing fragrances which can be suspended in varnish or ink and released at **point** of **sale** . Regarded as an **alternative** to scratch and sniff techniques, it can also be used in coupons and caps or seals.*

PRODUCT: Labels (2641LA);
EVENT: PRODUCTS, PROCESSES & SERVICES (30);
COUNTRY: United States (1USA); NATO Countries (420); South East Asia Treaty Organisation (913);
?

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File  16:Gale Group PROMT(R) 1990-2004/Mar 16
         (c) 2004 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2004/Mar 09
         (c)2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Mar 16
         (c) 2004 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Mar 16
         (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Mar 16
         (c) 2004 The Gale Group
File   9:Business & Industry(R) Jul/1994-2004/Mar 15
         (c) 2004 Resp. DB Svcs.
File  15:ABI/Inform(R) 1971-2004/Mar 15
         (c) 2004 ProQuest Info&Learning
File  20:Dialog Global Reporter 1997-2004/Mar 16
         (c) 2004 The Dialog Corp.
File  95:TEME-Technology & Management 1989-2004/Feb W5
         (c) 2004 FIZ TECHNIK
File 476:Financial Times Fulltext 1982-2004/Mar 16
         (c) 2004 Financial Times Ltd
File 610:Business Wire 1999-2004/Mar 16
         (c) 2004 Business Wire.
File 613:PR Newswire 1999-2004/Mar 16
         (c) 2004 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2004/Mar 15
         (c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2004/Mar 15
         (c) 2004 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
? ds

Set     Items   Description
S1      18943   (POS OR POINT(1W)SALE? ?)(3N)(DEVICE OR DEVICES OR APPARAT-
             US OR MACHINE OR MACHINES)
S2       6635   (SALES()(ITEM OR ITEMS) OR MERCHANDISE OR GOODS?)(3N)(REGI-
             STER? OR REGISTRAT? OR INPUT?)
S3   13816278   ERROR()CORRECT? OR CHANGE OR CHANGES OR CHANGING OR ALTER?
             OR CORRECT?
S4      81792   (DISPLAY? OR REPRESENT? OR DESCRIPT? OR DEPICT? OR VISUALI?
              OR SHOW OR SHOWS OR SHOWING OR EXHIBIT? OR VIEW?)(3N)(ENTRY -
             OR ENTRIES OR SALES()(ITEM OR ITEMS) OR MERCHANDISE OR GOODS)
S5      23786   (RETRIEV? OR PULL()UP OR FETCH? OR GETS OR GETTING OR OBTA-
             IN?)(3N)(ENTRY OR ENTRIES OR SALES()(ITEM OR ITEMS) OR MERCHA-
             NDISE OR GOODS)
S6      65960   MENU()(KEY OR KEYS OR KEYBOARD? ?) OR BARCOD? OR DISPLAY()-
             DEVICE? ?
S7        375   AU=(WATANABE, M? OR WATANABE M?)
S8          1   S1(S)S2
S9        109   S1(3N)(S3 OR S4 OR S5 OR S6)
S10        58   S9 NOT PY>1999
S11        40   RD (unique items)
S12        34   S11 NOT ATM
S13         0   S1(S)S7
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considered 07 3/17/04

Search Performed by Sylvia Keys 16-Mar-04

12/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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08300071 Supplier Number: 67372973 (USE FORMAT 7 FOR FULLTEXT)
Putting Java to work.(Brief Article)
Wainewright, Phil
Computer Business Review, v6, n5, p36
May, 1998
Language: English Record Type: Fulltext
Article Type: Brief Article
Document Type: Newsletter; Trade
Word Count: 3476

... to build a new generation of Net-connected mobile phones, set-top boxes, utilities' meters, **barcode** readers, **point** -of- **sale** **devices** and dashboard computers. Here, Sun's PersonalJava specification, designed for consumer electronics, competes against Microsoft...

12/3,K/2 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06458289 Supplier Number: 55124549 (USE FORMAT 7 FOR FULLTEXT)
Internet, E-commerce Pose Challenges to Packaging.
Williams, Gavin
Packaging Technology & Engineering, v8, n6, p54
June, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1133

... For example, with more goods sold on the Internet, the role of packaging as a **point** -of- **sale** marketing **device** might **change** . On the one hand, packaging might need to be more robust if products are being...

12/3,K/3 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

06368706 Supplier Number: 54730288 (USE FORMAT 7 FOR FULLTEXT)
Energis scans Service Driven Network data for retailers.
Precision Marketing, p8(1)
May 24, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 150

... of the outlet.
The new technology allows customer information to be passed from data collection **devices** such as **POS** terminals, **barcode** scanners and loyalty customer schemes to the Energis network.
The information is transported via the...

12/3,K/4 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05245294 Supplier Number: 47995740 (USE FORMAT 7 FOR FULLTEXT)
Facing The Millennium -- The time is now for retailers to address year 2000 issues
Hayes, Mary
InformationWeek, p258
Sept 22, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 1498

... just about obsolete," he says. "J.C. Penney, Wal-Mart, and Home Depot are all **changing point** -of- **sale devices** , and we're all trying to address simplification of administration."
Less administrative work for retailers...

12/3,K/5 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04975663 Supplier Number: 47310067 (USE FORMAT 7 FOR FULLTEXT)
TicketStop Introduces Version 4.0 of TicketMaker Professional ticketing, box office management software for PCs
PR Newswire, p0418LAF019
April 18, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 608

... printing, bar code readers for quick ticket returns/exchanges, keyboards with credit card swiping capability, **point** -of- **sale** digital price **display devices** and **point** -of- **sale** receipt printers.
TicketMaker(TM) Professional is used by a variety of different organizations with ticketing...

12/3,K/6 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04725801 Supplier Number: 46957409 (USE FORMAT 7 FOR FULLTEXT)
Wal-Mart Ups The Pace
InformationWeek, p37
Dec 9, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 2925

... infrared light units on the ceiling and can be changed in real time, concurrent with **changes** at the **point** -of- **sale** registers.
However, the **devices** still look too expensive for frugal Wal-Mart, where payback in three to four months...

12/3,K/7 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04290846 Supplier Number: 46288306 (USE FORMAT 7 FOR FULLTEXT)

Sharp Electronics Corp.
Electronic News (1991), p060
April 8, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 106

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...unit unveiled the LH77790 embedded microcontroller--a low-cost, low-power solution for portable electronic **devices** such as **point** -of- **sale** terminals and **barcode** scanners. The device utilizes an Advanced RISC Machines 32-bit ARM7DI RISC core and features...

12/3,K/8 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04285466 Supplier Number: 46279959 (USE FORMAT 7 FOR FULLTEXT)
ADVANCED RISC AND FRIENDS OUTLINE THEIR ARM PLANS
Computergram International, n2886, pN/A
April 3, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 409

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...the LH77790 embedded microcontroller using the ARM7DI core. The part is aimed at portable electronic **devices** such as **point** -of- **sale** terminals, two-dimensional **barcode** scanners, global positioning systems and communication devices. It has only a 16-bit data bus...

12/3,K/9 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03250637 Supplier Number: 44470145 (USE FORMAT 7 FOR FULLTEXT)
The Path Is Open
Supermarket News, p4A
Feb 28, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1843

... in pricing and other applications from headquarters through the in-store personal computer to the **POS machine** . **Alterations** to the hardware, however, must now be done directly on the POS machine.
'The ability...

12/3,K/10 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

10336519 SUPPLIER NUMBER: 20938990 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Jargon judge. (and four key conferences in Aug and Sept, 1998, in California) (News Briefs) (Column)

McCrory, Anne
Computerworld, v32, n29, p51(1)
July 20, 1998
DOCUMENT TYPE: Column ISSN: 0010-4841 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 950 LINE COUNT: 00078

... like the result of a dreaded medical test.)
Of course, people who call it a **POS device** are technically **correct** . The place where money changes hands is certainly the "point" where the "sale" takes place...

12/3,K/11 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

10132258 SUPPLIER NUMBER: 20491282 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Network computers in retail store operations.(retail industry)(Column)
Manion, Cathy
Chain Store Age Executive with Shopping Center Age, v74, n4, p88(1)
April, 1998
DOCUMENT TYPE: Column ISSN: 0193-1199 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 785 LINE COUNT: 00065

... use and simpler administration and management. Although NCs are not expected to replace PC-based **POS** units, these new **devices** provide an **alternative** for certain segments of the retail industry. The precise impact of network computers on store...

12/3,K/12 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09984940 SUPPLIER NUMBER: 20174879 (USE FORMAT 7 OR 9 FOR FULL TEXT)
TicketStop Introduces Version 4.2 of TicketMaker(TM) Professional at the International Ticketing Association 19th Annual Conference and Exhibition
PR Newswire, p119SFM005
Jan 19, 1998
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 528 LINE COUNT: 00051

... printing, bar code readers for quick ticket returns/exchanges, keyboards with credit card swiping capability, **point -of- sale** digital price **display devices** and **point -of- sale** receipt printers.
In 1998, TicketStop, Inc. celebrates ten years of experience in providing ticketing and...

12/3,K/13 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09930739 SUPPLIER NUMBER: 20082611 (USE FORMAT 7 OR 9 FOR FULL TEXT)
TicketStop Introduces Version 4.2 of TicketMaker(TM) Professional Ticketing Software at Baseball Winter Meetings Trade Show
PR Newswire, p1212SFF032
Dec 12, 1997

Search Performed by Sylvia Keys 16-Mar-04

LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 616 LINE COUNT: 00059

... printing, bar code readers for quick ticket returns/exchanges, keyboards with credit card swiping capability, **point** -of- **sale** digital price **display** devices and **point** -of- **sale** receipt printers. TicketMaker(TM) software is used by approximately 60 minor league baseball teams in...

12/3,K/14 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09757055 SUPPLIER NUMBER: 19792970 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Facing the millennium. (retail industry)(InformationWeek 500) (Industry Trend or Event)
Hayes, Mary
InformationWeek, n649, p258(4)
Sep 22, 1997
ISSN: 8750-6874 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1601 LINE COUNT: 00128

... just about obsolete," he says. "J.C. Penney, Wal-Mart, and Home Depot are all **changing** **point** -of- **sale** **devices** , and we're all trying to address simplification of administration."
Less administrative work for retailers...

12/3,K/15 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09166981 SUPPLIER NUMBER: 18944509 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Wal-Mart ups the pace. (increases emphasis on IT to increase profits) (includes related articles on Wal-Mart's use of the Internet to improve the accuracy of sales forecasts, data warehousing, and IS staff recruitment) (Company Operations)(Cover Story)
Caldwell, Bruce
InformationWeek, n609, p37(7)
Dec 9, 1996
DOCUMENT TYPE: Cover Story ISSN: 8750-6874 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4674 LINE COUNT: 00366

... infrared light units on the ceiling and can be changed in real time, concurrent with **changes** at the **point** -of- **sale** registers.
However, the **devices** still look too expensive for frugal Wal-Mart, where payback in three to four months...

12/3,K/16 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07750252 SUPPLIER NUMBER: 16734517 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Getting ahead ... and staying there. (attaining success in the retailing business)
Macdoald, John
International Journal of Retail & Distribution Management, v23, n2, pVI(2)

Spring, 1995
ISSN: 0959-0552 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1227 LINE COUNT: 00098

... industry. They help to manage day-to-day operations and aid long-term decision making. **Barcodes** and " **point -of- sale** " **devices** in action at the checkout provide deep knowledge of customer behaviour. The very fact that...

12/3,K/17 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07216028 SUPPLIER NUMBER: 15135058 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The path is open; PC-based open systems are proving a vital link in the effort to streamline operations. (personal computer) (Supermarket Technology)
Nannery, Matt
Supermarket News, v44, n9, p4A(3)
Feb 28, 1994
ISSN: 0039-5803 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1964 LINE COUNT: 00154

... changes in pricing and other applications from headquarters through the instore personal computer to the **POS machine** . **Alterations** to the hardware, however, must now be done directly on the POS machine.
"The ability...

12/3,K/18 (Item 9 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07191969 SUPPLIER NUMBER: 14997099 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Retail networks seen as future of debit cards.
Meece, Mickey
American Banker, v159, n29, p14(1)
Feb 11, 1994
ISSN: 0002-7561 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 573 LINE COUNT: 00045

... have come to a crossroads in the EFT industry" with transaction migrating from automated teller **machines** to the **point** of **sale** .
Driving the **change** is consumer's recognition of point-of-sale convenience. Mr. Shah pointed out that there...

12/3,K/19 (Item 10 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

06157046 SUPPLIER NUMBER: 12870245 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Merit Technologies. (Merit Technologies Ltd.) (Special Supplement: Celebrating Success) (Company Profile)
BC Business, v20, n10, p92(1)
Oct, 1992
DOCUMENT TYPE: Company Profile ISSN: 0829-481X LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 375 LINE COUNT: 00029

Search Performed by Sylvia Keys 16-Mar-04

... bases, scan bar-codes, authorize credit and even capture signatures. It's a highly sophisticated **point** -of- **sale** computer terminal **device** which is literally **changing** the world of retail."
Merit's product allows retailers to survey what's going on...

12/3,K/20 (Item 11 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05579248 SUPPLIER NUMBER: 11671315 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Upgradeability enables ECRs to hold their own. (electronic cash register)(Feature Report: Retail and Inventory Management Systems)
Coutts, Win
Computer Dealer News, v7, n24, p52(1)
Nov 28, 1991
ISSN: 1184-2369 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 424 LINE COUNT: 00033

TEXT:
Recently, the PC has emerged as an **alternative** **POS** hardware **device** . The major advantage of the 'PC on a drawer' solution is emerging technologies can be...

12/3,K/21 (Item 12 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

03865040 SUPPLIER NUMBER: 07010822 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Credit authorization stand-alones decrease; most retailers opt to integrate the function into POS terminals.
Chain Store Age Executive with Shopping Center Age, v65, n1, p100(3)
Jan, 1989
ISSN: 0193-1199 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1411 LINE COUNT: 00117

... to the VDC study.
The remaining companies will integrate the credit authorization function into their 1POS devices .
Unless they significantly **alter** their marketing rust, the study coneludes, manufacturers of stand-alone terminals will be left standing...

12/3,K/22 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01769040
SEIKO INSTRUMENTS INTRODUCES THE LTP-251 A COMPACT, HIGH-SPEED, LINE THERMAL PRINTER MECHANISM
News Release July 27, 1987 p. 1

... 2.28" Seiko thermal or thermal label paper and is ideal for applications such as **barcode** label printers, lottery **machines** , scales, and **point** of **sale** /point of transaction systems. The LTP-251 prints 192 dots per line with 4 dots...

12/3,K/23 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01383277 SUPPLIER NUMBER: 09536643 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Talking shop: computers in retail. (two United Kingdom case studies: Texas Homecare and Dixons Stores Group)
Wright, Tim
Which Computer?, v13, n10, p124(4)
Oct, 1990
ISSN: 0140-3435 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3140 LINE COUNT: 00241

... The richest and most adventurous retailers - Marks & Spencer and Sainsburys, for example - also introduced product **barcoding** and electronic **point** of **sale** (EPOS) **machines** .
But inflation, high interest rates and a general slowdown in the economy has placed new...

12/3,K/24 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

01167635 Supplier Number: 41015135 (USE FORMAT 7 FOR FULLTEXT)
Telcos' remote maintenance devices can interfere with CPE
411 Newsletter, v10, n21, pN/A
Nov 6, 1989
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 362

... can fool a POS device into thinking the line is in use.
While manufacturers of **POS devices** could **change** designs so new units could handle the additional voltage from an MTU, there are millions of **POS** devices in the field. **Changing** internal hardware would be costly. POS devices are also being used in many more retail...

12/3,K/25 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

1960959 Supplier Number: 01960959 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Retail: Facing The Millennium
(Retailers' make heavy investments in Unix-based datawarehousing technology improve demographics analysis for determining marketing strategies and product mix)
Information Week, p 258
September 22, 1997
DOCUMENT TYPE: Journal; Ranking ISSN: 8750-6874 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2021

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...just about obsolete," he says. "J.C. Penney, Wal-Mart, and Home Depot are all **changing point** -of- **sale devices** , and we're all trying to address simplification of administration."

Search Performed by Sylvia Keys 16-Mar-04

photo omitted

Less administrative work...

12/3,K/26 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

1263129 Supplier Number: 01263129
DATANET TO FOCUS ON WIRELESS NETWORKING
(Datanet Corp to focus on wireless computer networking; projects sales of Rs5 crore for 1995-96)
Economic Times, p 17
August 15, 1995
DOCUMENT TYPE: Journal ISSN: 0013-0389 (India)
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT:
...management system. The system will use a wide range of terminal equipment like automatic teller **machines , point** of **sale** terminals, **barcode** readers etc and other turnkey solutions to customers like banks, insurance companies, hotel chains and...

12/3,K/27 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01668479 03-19469
Jargon judge: "Point-of-sale device"
McCrory, Anne
Computerworld v32n29 PP: 51 Jul 20, 1998
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 471

...TEXT: like the result of a dreaded medical test.)

Of course, people who call it a **POS device** are technically **correct** . The place where money changes hands is certainly the "point" where the "sale" takes place...

12/3,K/28 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01612875 02-63864
Network computers in retail store operations
Anonymous
Chain Store Age v74n4 PP: 88 Apr 1998
ISSN: 1087-0601 JRNL CODE: CSA
WORD COUNT: 731

...TEXT: use and simpler administration and management. Although NCs are not expected to replace PC-based **POS** units, these new **devices** provide an **alternative** for certain segments of the retail industry. The precise impact of network computers on store...

12/3,K/29 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00935388 95-84780
Quality in retail and distribution
Macdonald, John
TQM Magazine v6n4 PP: 11-14 1994
ISSN: 0954-478X JRNL CODE: TQM
WORD COUNT: 2293

...TEXT: comprehension of the technical sophistication and deep knowledge of their own behaviour that lie behind **barcodes** and the " **point** -of- **sale** " **devices** that they witness in action at every checkout. Incidentally, the very fact that the equipment...

12/3,K/30 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00721534 93-70755
Enhancing business relationships via electronic information technologies: Wood products sellers and homecenter buyers
Vlosky, Richard P; Smith, Paul M
Forest Products Journal v43n5 PP: 11-18 May 1993
ISSN: 0015-7473 JRNL CODE: FPJ
WORD COUNT: 5350

...TEXT: product code) barcode on each piece of lumber, plywood, etc., that can be used with **point** -of- **sale** (**POS**) scanning **devices** . While UPC **barcodes** have been commonplace in the grocery industry where POS scanning is firmly established, this is...

12/3,K/31 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00065925 78-00200
Advances in Electronic Funds Transfer
Simon, Leonard S.
Banker v127n620 PP: 79-85 Oct. 1977
JRNL CODE: BKR

...ABSTRACT: Congress, and it is difficult to say what will happen. The profitability of various EFT **alternatives** such as **point** of **sale** terminals and teller **machines** is still uncertain. Very few institutions claim profitability as yet. It is possible that EFT...

12/3,K/32 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

05503602 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Technology: Energis scans Service Driven Network data for retailers
PRECISION MARKETING, p8
May 24, 1999

Search Performed by Sylvia Keys 16-Mar-04

JOURNAL CODE: FPM LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 148

(USE FORMAT 7 OR 9 FOR FULLTEXT)

The new technology allows customer information to be passed from data collection **devices** such as **POS** terminals, **barcode** scanners and loyalty customer schemes to the Energis network.
The information is transported via the...

12/3,K/33 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

01305699 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Sharp Adds Four New Features To ARM7 Hardware Development Toolkit; The LU7790H2A Now Supports Color and DMTN Displays, Touch Panel and Voice Recognition
BUSINESS WIRE
March 31, 1998 10:23
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 616

...embedded microcontroller is a low-cost, low-power, high-performance solution for such portable electronic **devices** as **point** -of- **sale** terminals, 2-D **barcode** scanners, global position systems and communications devices. It supports wireless, cable and visual communication with...

12/3,K/34 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire

0570974 BW0190

SHARP ELECTRONICS CORP: Sharp launches 32-bit microcontroller for high-performance hand-held products; ARM7DI-based System on Chip features LCD and IrDA interfaces

April 01, 1996

Byline: Business Editors

...the LH77790 embedded microcontroller -- a low-cost, low-power, high-performance solution for portable electronic **devices** such as **point** -of- **sales** terminals, 2-D **barcode** scanners, global positioning systems and communication devices.
The 32-bit ARM7DI(tm) RISC core powers...
?

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File 348:EUROPEAN PATENTS 1978-2004/Mar W01
         (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040311,UT=20040304
         (c) 2004 WIPO/Univentio
? ds

Set     Items   Description
S1       1550   (POS OR POINT(1W)SALE? ?)(3N)(DEVICE OR DEVICES OR APPARAT-
            US OR MACHINE OR MACHINES)
S2        456   (SALES()(ITEM OR ITEMS) OR MERCHANDISE OR GOODS?)(3N)(REGI-
            STER? OR REGISTRAT? OR INPUT?)
S3    1505543   ERROR()CORRECT? OR CHANGE OR CHANGES OR CHANGING OR ALTER?
            OR CORRECT?
S4      13438   (DISPLAY? OR REPRESENT? OR DESCRIPT? OR DEPICT? OR VISUALI?
             OR SHOW OR SHOWS OR SHOWING OR EXHIBIT? OR VIEW?)(3N)(ENTRY -
            OR ENTRIES OR SALES()(ITEM OR ITEMS) OR MERCHANDISE OR GOODS)
S5       3910   (RETRIEV? OR PULL()UP OR FETCH? OR GETS OR GETTING OR OBTA-
            IN?)(3N)(ENTRY OR ENTRIES OR SALES()(ITEM OR ITEMS) OR MERCHA-
            NDISE OR GOODS)
S6      48458   MENU()(KEY OR KEYS OR KEYBOARD? ?) OR BARCOD? OR DISPLAY()-
            DEVICE? ?
S7       1233   AU=(WATANABE, M? OR WATANABE M?)
S8          7   S1(S)S2
S9          2   S8(S)(S3 OR S4 OR S5 OR S6)
S10        74   S1(3N)(S3 OR S4 OR S5 OR S6)
S11        74   S10 NOT (S8 OR S9)
S12        43   S11 AND IC=G06F
S13        28   S12 NOT ATM
S14         0   S7(S)S1
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Considered 3/17/04

Search Performed by Sylvia Keys 16-Mar-04

8/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01704445
Method and apparatus of printing payment transaction information, program, printer driver and point of sale system for realising the same
Verfahren und Gerat zum Druck von Bezahltransaktionsinformationen, sowie Programm, Druckertreiber und Verkaufsstellensystem zu dessen Realisierung
Methode et systeme pour l'impression d'informations de transactions, ainsi programme, driver d'imprimante et point de vente pour sa realisation
PATENT ASSIGNEE:
SEIKO EPSON CORPORATION, (730004), 4-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 163-0811, (JP), (Applicant designated States: all)
INVENTOR:
Minowa, Masahiro, c/o Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi Nagano-ken 392-8502, (JP)
Yokoyama, Kazuyuki, c/o Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi Nagano-ken 392-8502, (JP)
LEGAL REPRESENTATIVE:
Hoffmann, Eckart, Dipl.-Ing. (5571), Patentanwalt, Bahnhofstrasse 103, 82166 Grafelfing, (DE)
PATENT (CC, No, Kind, Date): EP 1396808 A1 040310 (Basic)
APPLICATION (CC, No, Date): EP 2003019204 030825;
PRIORITY (CC, No, Date): JP 2002260047 020905
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK
INTERNATIONAL PATENT CLASS: G06F-017/60; B42D-015/00; G07F-017/42
ABSTRACT WORD COUNT: 104
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200411	1405
SPEC A	(English)	200411	9554
Total word count - document A			10959
Total word count - document B			0
Total word count - documents A + B			10959

...SPECIFICATION printing on a receipt payment transaction data obtained by using a host computer based on **input** information concerning **merchandise** sales, and then by synthesizing the receipt print data with the image data. The present...
...method, a recording medium, a printing apparatus, a printer driver, a merchandise sales data processing **apparatus** , and a **POS** (**point** -of-**sale**) system.

2. Description of the Related Art
Conventionally, a printer (printing apparatus) for printing receipts...

8/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01402511
Window design alteration method and system
Verfahren und Vorrichtung zur Fenster-Entwurfs-Anderung
Procede et dispositif pour l'alteration de conception de fenetres
PATENT ASSIGNEE:
Toshiba Tec Kabushiki Kaisha, (2633500), 1-1, Kanda Nishiki-cho, Chiyoda-ku, Tokyo, 101-8442, (JP), (Applicant designated States: all)
INVENTOR:
Sanbe, Masanori, c/o Toshiba Tec K.K., 1-1, Kanda Nishiki-cho, Chiyoda-ku, Tokyo 101-8442, (JP)
LEGAL REPRESENTATIVE:
Blumbach, Kramer & Partner GbR (101302), Radeckestrasse 43, 81245 Munchen , (DE)
PATENT (CC, No, Kind, Date): EP 1187002 A2 020313 (Basic)
APPLICATION (CC, No, Date): EP 2001104783 010227;
PRIORITY (CC, No, Date): JP 200051321 000228
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-009/44
ABSTRACT WORD COUNT: 94
NOTE:
Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200211	1407
SPEC A	(English)	200211	11882
Total word count - document A			13289
Total word count - document B			0
Total word count - documents A + B			13289

...SPECIFICATION store staff (operators) the POS terminals obtain goods data from goods files in a host **machine** (for example a **POS** server), and carry out product **registration** and accounting. **Goods** data and accounting data are displayed on the POS terminals. The goods data and accounting...

8/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01371951
Client information collecting method, client information providing method, point assigning method, merchandise information providing method, and merchandise information collection apparatus using network
Verfahren zum Sammeln von Kundeninformation, Verfahren zum Bereitstellen von Kundeninformation, Verfahren zum Zuordnen von Punkten, Verfahren zum Bereitstellen von Information uber Waren und Apparat zum Sammeln von Information uber Waren mit Hilfe eines Netzwerks
Methode de collecte d'information sur des clients, methode de fourniture d'information sur des clients, methode d'allocation de points, methode de fourniture d'information sur des marchandises et appareil de collecte d'information sur des marchandises utilisant un reseau
PATENT ASSIGNEE:
Disparce, Inc., (3373440), 3-23-6, Nishi, Naka-ku, Nagoya-shi, Aichi-ken 460-0003, (JP), (Applicant designated States: all)
INVENTOR:

Noda, Hajime, c/o Disparce, Inc, 3-23-6, Nishiki, Naka-ku, Nagoya-shi, Aichi-ken 460-0003, (JP)
Hirano, Kazuhiro, c/o Disparce, Inc., 3-23-6, Nishiki, Naka-ku, Nagoya-shi, Aichi-ken 460-0003, (JP)
LEGAL REPRESENTATIVE:
Lucas, Brian Ronald (33295), Lucas & Co. 135 Westhall Road, Warlingham, Surrey CR6 9HJ, (GB)
PATENT (CC, No, Kind, Date): EP 1168219 A2 020102 (Basic)
EP 1168219 A3 040204
APPLICATION (CC, No, Date): EP 2001305316 010619;
PRIORITY (CC, No, Date): JP 2000184633 000620; JP 200137567 010214
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/60
ABSTRACT WORD COUNT: 85
NOTE:
Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200201	1943
SPEC A	(English)	200201	9890
Total word count - document A			11833
Total word count - document B			0
Total word count - documents A + B			11833

...SPECIFICATION RW 11. The cashier inputs the client information entered on the form in the input **device** of a **POS** terminal 12, a personal computer (PC), or a mobile terminal device, etc. The client information ...

...of the CD-RW 11 of the POS terminal. Furthermore, the client information and the **merchandise** information **input** through the POS terminal, etc. is stored in the client information database of a seller...

8/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01064700
Theft detecting tag
Diebstahldetektionsetikett
Etiquette de detection de vol
PATENT ASSIGNEE:
MITSUBISHI MATERIALS CORPORATION, (287476), 5-1, Ohtemachi 1-chome, Chiyoda-ku, Tokyo 100, (JP), (Applicant designated States: all)
INVENTOR:
Osawa, Shigeyuki, c/o Noda Plant, Mitsubishi Mater, 314 Nishisangao, Noda-shi, Chiba-ken, (JP)
Endo, Takanori, C/O Sohgou-kenkyusho, Mitsubishi, Materials Corp., 1-297, Kitabukuro-cho, Omiya-shi, Saitama-ken, (JP)
Ishiyama, Kouichi, C/O Sohgou-kenkyusho, Mitsubish, Materials Corp., 1-297, Kitabukuro-cho, Omiya-shi, Saitama-ken, (JP)
Miyake, Masami, C/O Sohgou-kenkyusho, Mitsubishi, Materials Corp., 1-297, Kitabukuro-cho, Omiya-shi, Saitama-ken, (JP)
Mori, Tomohiro, C/O Sohgou-kenkyusho, Mitsubishi, Materials Corp., 1-297, Kitabukuro-cho, Omiya-shi, Saitama-ken, (JP)
LEGAL REPRESENTATIVE:
Gille Hrabal Struck Neidlein Prop Roos (100971), Patentanwalte

Brucknerstrasse 20, 40593 Dusseldorf, (DE)
PATENT (CC, No, Kind, Date): EP 938069 A2 990825 (Basic)
EP 938069 A3 001122
APPLICATION (CC, No, Date): EP 99100800 990118;
PRIORITY (CC, No, Date): JP 9842194 980224; JP 98325272 981116
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G08B-013/24
ABSTRACT WORD COUNT: 189
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9934	452
SPEC A	(English)	9934	6001
Total word count - document A			6453
Total word count - document B			0
Total word count - documents A + B			6453

...SPECIFICATION the first and second embodiments above, a glass showcase for displaying jewelry and noble-metal **goods** , a cash **register** or the like which is a terminal **device** of the **POS** (**point** of **sales**) system is applicable.
In the first and second embodiments, although a buzzer is used for...

8/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00767544
Merchandise register
Warenregistrierkasse
Caisse enregistreuse de marchandises
PATENT ASSIGNEE:
SHARP KABUSHIKI KAISHA, (260710), 22-22 Nagaike-cho, Abeno-ku, Osaka-shi, Osaka-fu 545-0013, (JP), (Proprietor designated states: all)
INVENTOR:
Nakamura, Yasuhide, 488-164, Kominami-cho, Yamatokoriyama-shi, Nara, (JP)
LEGAL REPRESENTATIVE:
Muller, Frithjof E., Dipl.-Ing. (8661), Muller Hoffmann & Partner Patentanwalte Innere Wiener Strasse 17, 81667 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 720134 A2 960703 (Basic)
EP 720134 A3 990616
EP 720134 B1 030521
APPLICATION (CC, No, Date): EP 95108662 950606;
PRIORITY (CC, No, Date): JP 94340089 941229
DESIGNATED STATES: DE; GB
INTERNATIONAL PATENT CLASS: G07G-001/12; G06F-003/023
ABSTRACT WORD COUNT: 177
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	740
CLAIMS B	(English)	200321	746
CLAIMS B	(German)	200321	615

CLAIMS B	(French)	200321	838
SPEC A	(English)	EPAB96	10103
SPEC B	(English)	200321	9982

Total word count - document A 10845
Total word count - document B 12181
Total word count - documents A + B 23026

...SPECIFICATION a electronic cash register, etc.

2. Description of the Related Art
In recent years, a **merchandise register** for storing unit price of merchandise, stock quantity, sales quantity, sales amount, etc. in correspondence...
...product items (hereinafter "product item" is described as "item"), which is used as an input **device** of **POS** terminal, etc. is provided with input and display means combining input means such as touch...

...SPECIFICATION a electronic cash register, etc.

2. Description of the Related Art
In recent years, a **merchandise register** for storing unit price of merchandise, stock quantity, sales quantity, sales amount, etc. in correspondence...

...product items (hereinafter "product item" is described as "item"), which is used as an input **device** of **POS** terminal, etc. is provided with input and display means combining input means such as touch...

8/3,K/6 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00452685
METHOD AND SYSTEM FOR PROCESSING SUPPLEMENTARY PRODUCT SALES AT A POINT-OF-SALE TERMINAL
PROCEDE ET SYSTEME DE TRAITEMENT DE VENTES DE PRODUITS SUPPLEMENTAIRES A UN TERMINAL DE POINT DE VENTE
Patent Applicant/Assignee:
WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,
Inventor(s):
WALKER Jay S,
VAN LUCHENE Andrew S,
JORASCH James A,
JINDAL Sanjay K,
ALDERUCCI Dean,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9843149 A2 19981001
Application: WO 98US5787 19980320 (PCT/WO US9805787)
Priority Application: US 97822709 19970321; US 97841791 19970505; US 97920116 19970826; US 9845386 19980320; US 9845036 19980320; US 9845347 19980320; US 9845518 19980320; US 9845084 19980320
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 53218

Fulltext Availability:
Claims

Claim
... A transaction processing system, comprising:
a POS terminal adapted to perform lottery ticket transactions and **merchandise**
transactions;
an **input device** associated with said **POS** terminal for inputting information to said POS terminal related to at least one item to...

8/3,K/7 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00434778 **Image available**
IN-STORE POINTS REDEMPTION SYSTEM AND METHOD
SYSTEME ET PROCEDE DE PAIEMENT DE POINTS DE PRIMES EN MAGASIN
Patent Applicant/Assignee:
CARLSON COMPANIES INC,
Inventor(s):
FREDREGILL Willard R,
SCHRUM Harold E,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9825242 A1 19980611
Application: WO 97US22425 19971203 (PCT/WO US9722425)
Priority Application: US 96759170 19961203
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 8981
Fulltext Availability:
Detailed Description

Detailed Description
... transaction (for example a $10 certificate for a reduction of $10 off the price of **merchandise**), the cashier must **input** the serial number of the certificate into the **POS device** . Following entry of the serial number, the **POS device** which is electrically coupled to the on-line point server 42 sends a request to...redeemed. The retailer may redeem the certificate once an approval message is sent to the **POS device** by the on-line point server 42. The retailer may then reduce the amount due

9/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01402511
Window design alteration method and system
Verfahren und Vorrichtung zur Fenster-Entwurfs-Anderung
Procede et dispositif pour l'alteration de conception de fenetres
PATENT ASSIGNEE:
Toshiba Tec Kabushiki Kaisha, (2633500), 1-1, Kanda Nishiki-cho, Chiyoda-ku, Tokyo, 101-8442, (JP), (Applicant designated States: all)
INVENTOR:
Sanbe, Masanori, c/o Toshiba Tec K.K., 1-1, Kanda Nishiki-cho, Chiyoda-ku, Tokyo 101-8442, (JP)
LEGAL REPRESENTATIVE:
Blumbach, Kramer & Partner GbR (101302), Radeckestrasse 43, 81245 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1187002 A2 020313 (Basic)
APPLICATION (CC, No, Date): EP 2001104783 010227;
PRIORITY (CC, No, Date): JP 200051321 000228
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-009/44
ABSTRACT WORD COUNT: 94
NOTE:
Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200211	1407
SPEC A	(English)	200211	11882
Total word count - document A			13289
Total word count - document B			0
Total word count - documents A + B			13289

...SPECIFICATION data processing system, on the basis of instructions from store staff (operators) the POS terminals **obtain** **goods** data from **goods** files in a host **machine** (for example a **POS** server), and carry out product **registration** and accounting. **Goods** data and accounting data are displayed on the POS terminals. The goods data and accounting...

...printer in a journal and on a receipt. A total sum and an amount of **change** are calculated, and a draw is opened automatically.
Thus, by analyzing the goods data and...

9/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00452685
METHOD AND SYSTEM FOR PROCESSING SUPPLEMENTARY PRODUCT SALES AT A POINT-OF-SALE TERMINAL
PROCEDE ET SYSTEME DE TRAITEMENT DE VENTES DE PRODUITS SUPPLEMENTAIRES A UN TERMINAL DE POINT DE VENTE
Patent Applicant/Assignee:
WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,
Inventor(s):

WALKER Jay S,
VAN LUCHENE Andrew S,
JORASCH James A,
JINDAL Sanjay K,
ALDERUCCI Dean,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9843149 A2 19981001
Application: WO 98US5787 19980320 (PCT/WO US9805787)
Priority Application: US 97822709 19970321; US 97841791 19970505; US 97920116 19970826; US 9845386 19980320; US 9845036 19980320; US 9845347 19980320; US 9845518 19980320; US 9845084 19980320

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 53218

Fulltext Availability:
Claims

Claim
... A transaction processing system, comprising:
a POS terminal adapted to perform lottery ticket transactions and **merchandise** transactions;
an **input** device associated with said **POS** terminal for inputting information to said POS terminal related to at least one item to... tendered to pay for the item;
said POS terminal adapted to calculate an amount of **change** based on the amount of money tendered to pay for the item;
said input device...

...said POS ten-ninal to perform a lottery ticket transaction by applying the amount of **change** toward purchase of an amount of lottery tickets equal in value to the calculated amount of **change** ; and
124
said POS terminal including a recorder for recording on a recording medium the merchandise transaction and the amount of lottery tickets purchased with the calculated amount of **change** .

48 The system according to Claim 47, where the amount of lottery tickets purchased includes...

13/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01541056
ELECTRONIC MONEY SYSTEM
ELEKTRONISCHES GELDSYSTEM
SYSTEME D'ARGENT ELECTRONIQUE
PATENT ASSIGNEE:
Sony Corporation, (214028), 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001, (JP), (Applicant designated States: all)
INVENTOR:
KAWASHIMA, Takashi, c/o Sony Finance Int. Inc., 1-1, Minamiaoyama 1-chome, Minato-ku, Tokyo 107-0062, (JP)
HAGIWARA, Kotaro, c/o Sony Finance Int. Inc., 1-1, Minamiaoyama 1-chome, Minato-ku, Tokyo 107-0062, (JP)
HAYAASHI, Hirofumi, c/o Sony Finance Int. Inc., 1-1, Minamiaoyama 1-chome, Minato-ku, Tokyo 107-0062, (JP)
HASUMI, Yoshitsugu, c/o Sony Finance Int. Inc., 1-1, Minamiaoyama 1-chome, Minato-ku, Tokyo 107-0062, (JP)
SHIOTANI, Keiji, c/o Sony Finance Int. Inc., 1-1, Minamiaoyama 1-chome, Minato-ku, Tokyo 107-0062, (JP)
SUGANUMA, Maki, c/o SONY FINANCE INTERNATIONAL INC, 1-1, Minamiaoyama 1-chome, Minato-ku, Tokyo 107-0062, (JP)
LEGAL REPRESENTATIVE:
Horner, David Richard (77632), D Young & Co, 21 New Fetter Lane, London EC4A 1DA, (GB)
PATENT (CC, No, Kind, Date): EP 1396805 A1 040310 (Basic)
WO 2002101617 021219
APPLICATION (CC, No, Date): EP 2002738639 020607; WO 2002JP5700 020607
PRIORITY (CC, No, Date): JP 2001175433 010611; JP 2001176070 010611
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-017/60**
ABSTRACT WORD COUNT: 169
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200411	2454
SPEC A	(English)	200411	17622
Total word count - document A			20076
Total word count - document B			0
Total word count - documents A + B			20076

INTERNATIONAL PATENT CLASS: **G06F-017/60**

13/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01436542
Character string processing method, processing system, and object program therefor
Verfahren, System und Objektprogram zur Verarbeitung von Zeichenketten
Methode et systeme de traitement de chaines de caracteres et programme object associee

PATENT ASSIGNEE:
SEIKO EPSON CORPORATION, (730004), 4-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 163-0811, (JP), (Applicant designated States: all)
INVENTOR:
Otsuka, Junichi, c/o Seiko Epson Corp., 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502, (JP)
Sugimoto, Toshiyuki, c/o Seiko Epson Corp., 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502, (JP)
LEGAL REPRESENTATIVE:
Hoffmann, Eckart, Dipl.-Ing. (5571), Patentanwalt, Bahnhofstrasse 103, 82166 Grafelfing, (DE)
PATENT (CC, No, Kind, Date): EP 1220093 A2 020703 (Basic)
EP 1220093 A3 030416
APPLICATION (CC, No, Date): EP 2001130279 011220;
PRIORITY (CC, No, Date): JP 2000403300 001228
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-009/44**
ABSTRACT WORD COUNT: 121
NOTE:
Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200227	1005
SPEC A	(English)	200227	4955
Total word count - document A			5960
Total word count - document B			0
Total word count - documents A + B			5960

INTERNATIONAL PATENT CLASS: **G06F-009/44**

...SPECIFICATION Sale) system is one type of system that is assembled from a variety of peripheral **devices** . A typical **POS** system comprises a **display device** , a printer, scanner, cash drawer, card reader, and other input/output devices connected to a...

13/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01340776
Network system, method of processing advertising information in a network system, and data storage medium carrying a program to implement the method
Netzwerksystem, Verfahren zum Verarbeiten von Werbeinformation in einem Netzwerksystem und Speichermedium fur das Programm
Systeme de reseau, methode de traitement de publicites dans un systeme de reseau et support de stockage pour le programme
PATENT ASSIGNEE:
SEIKO EPSON CORPORATION, (730001), 4-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 160-0811, (JP), (Applicant designated States: all)
INVENTOR:
Minowa, Masahiro, c/o Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502, (JP)
LEGAL REPRESENTATIVE:
Hoffmann, Eckart, Dipl.-Ing. (5571), Patentanwalt, Bahnhofstrasse 103,

82166 Grafelfing, (DE)
PATENT (CC, No, Kind, Date): EP 1146454 A2 011017 (Basic)
EP 1146454 A3 020717
APPLICATION (CC, No, Date): EP 2001107557 010327;
PRIORITY (CC, No, Date): JP 200087280 000327
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-017/60**
ABSTRACT WORD COUNT: 202
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200142	1055
SPEC A	(English)	200142	8688
Total word count - document A			9743
Total word count - document B			0
Total word count - documents A + B			9743

INTERNATIONAL PATENT CLASS: **G06F-017/60**

...CLAIMS 10) to the server system (1),
POS systems (3, 7) each connected to a respective **POS** terminal **device** having a **display device** (54, 56) and a printing device (53),
first means (11) for storing an application page...

...5) can connect via the Internet (10), and a POS system (3, 7) having a **POS** terminal **device** (51) with a **display device** (54, 56) and a printing device (53), said method comprising the steps:
(a) sending an...

13/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01294998
Transaction system and method
Transaktionssystem und -verfahren
Systeme et methode de transactions
PATENT ASSIGNEE:
Nokia Corporation, (3988870), Keilalahdentie 4, 02150 Espoo, (FI),
(Applicant designated States: all)
INVENTOR:
Cofta, Piotr, Arctowskiego 8A/8, 80-288 Gdansk, (PL)
LEGAL REPRESENTATIVE:
Style, Kelda Camilla Karen et al (75491), Page White & Farrer, 54 Doughty Street, London WC1N 2LS, (GB)
PATENT (CC, No, Kind, Date): EP 1111561 A2 010627 (Basic)
EP 1111561 A3 040102
APPLICATION (CC, No, Date): EP 2000310463 001124;
PRIORITY (CC, No, Date): GB 9930592 991223
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G07F-019/00; G07F-007/08; **G06F-017/60**
ABSTRACT WORD COUNT: 74

Search Performed by Sylvia Keys 16-Mar-04

NOTE:
Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200126	1469
SPEC A	(English)	200126	5231
Total word count - document A			6700
Total word count - document B			0
Total word count - documents A + B			6700

...INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION or from methods to which one of the methods of payment can be converted.
The **point** of **sale device** 16 may, in **alternative** embodiments of the present invention contact the card acquirer 18 in order to approve the...

13/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01254381
Contents sale system
System zum Verkauf von Dateninhalten
Systeme de vente de contenus de donnees
PATENT ASSIGNEE:
Victor Company of Japan, Ltd., (278645), 3-12 Moriya-cho, Kanagawa-ku, Yokohama 221-0022, (JP), (Applicant designated States: all)
INVENTOR:
Tanaka, Yoshiaki, 1-12-23, Kugenuma Sakuragaoka, Fujisawa-shi, Kanagawa-ken, (JP)
Satoh, Yasuo, 2-5-14, Yaei, Sagamihara-shi, Kanagawa-ken, (JP)
Umekai, Katsuhiro, 2-18-403, Futaba-cho, Minami-ku, Yokohama-shi, Kanagawa-ken, (JP)
Okabe, Yasuhisa, 6-206, Shiroganeyama, 1540 Takamori, Isehara-shi, Kanagawa-ken, (JP)
LEGAL REPRESENTATIVE:
Senior, Alan Murray (35712), J.A. KEMP & CO., 14 South Square, Gray's Inn , London WC1R 5JJ, (GB)
PATENT (CC, No, Kind, Date): EP 1083530 A2 010314 (Basic)
EP 1083530 A3 030305
APPLICATION (CC, No, Date): EP 2000303968 000511;
PRIORITY (CC, No, Date): JP 99152209 990531
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G07F-017/30; G07F-019/00; **G06F-001/00** ; G10H-001/36; G11B-027/11
ABSTRACT WORD COUNT: 231
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200111	2379
SPEC A	(English)	200111	19871
Total word count - document A			22250

Search Performed by Sylvia Keys 16-Mar-04

Total word count - document B 0
Total word count - documents A + B 22250

...INTERNATIONAL PATENT CLASS: **G06F-001/00**

...SPECIFICATION a barcode reader, an input tablet, a pen-based input device, a touch screen input **device** , or a **POS** -based input **device** . The **barcode** reader is used as follows. When operation of the kiosk terminal apparatus 5A moves to...

13/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01190691
SERVICE RECEIVING ID NUMBER SETTLING SYSTEM
BEZAHLUNGSSYSTEM VON DIENSTLEISTUNGEN BASIEREND AUF EINER KENNUMMER
SYSTEME DE PAIEMENT PAR NUMERO D'IDENTIFICATION DE SERVICES RE US
PATENT ASSIGNEE:
Doki, Takayuki, (3046450), 4-14-14, Himonya, Meguro-ku, Tokyo 152-0003, (JP), (Applicant designated States: all)
INVENTOR:
Doki, Takayuki, 4-14-14, Himonya, Meguro-ku, Tokyo 152-0003, (JP)
LEGAL REPRESENTATIVE:
Brown, Kenneth Richard (28831), R.G.C. Jenkins & Co. 26 Caxton Street, London SW1H 0RJ, (GB)
PATENT (CC, No, Kind, Date): EP 1197906 A1 020417 (Basic)
WO 200034906 000615
APPLICATION (CC, No, Date): EP 99973336 991206; WO 99JP6826 991206
PRIORITY (CC, No, Date): WO 98JP5503 981204
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-017/60**
ABSTRACT WORD COUNT: 178
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English;
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200216	1971
SPEC A	(English)	200216	10510

Total word count - document A 12481
Total word count - document B 0
Total word count - documents A + B 12481

INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION payment amount printed on the media 10. On receiving this payment, the store reads the **barcode** using a **POS** terminal **device** 20, as described above. The information thus read is transmitted, via public circuits or other...

13/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00820352
CARD INTERFACE
INTERFACE FUR EINE SPEICHERKARTE
INTERFACE DE CARTE
PATENT ASSIGNEE:
SMARTMOVE (NZ) LIMITED, (2234590), Shortland Centre, Tower 1, Level 5, Shortland Street, Auckland, (NZ), (Proprietor designated states: all)
INVENTOR:
ZUPPICICH, Alan, Noel, 398 Ellerslie Panmure Highway, Ellerslie, Auckland , (NZ)
LEGAL REPRESENTATIVE:
Powell, Timothy John et al (69724), Eric Potter Clarkson, Park View House, 58 The Ropewalk, Nottingham NG1 5DD, (GB)
PATENT (CC, No, Kind, Date): EP 826215 A1 980304 (Basic)
EP 826215 A1 981216
EP 826215 B1 010117
WO 9636051 961114
APPLICATION (CC, No, Date): EP 96912337 960509; WO 96NZ38 960509
PRIORITY (CC, No, Date): NZ 27209495 950509
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: G06K-017/00; G06K-007/00; G07F-007/10; **G06F-003/08**
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200103	1244
CLAIMS B	(German)	200103	1112
CLAIMS B	(French)	200103	1520
SPEC B	(English)	200103	5527
Total word count - document A			0
Total word count - document B			9403
Total word count - documents A + B			9403

...INTERNATIONAL PATENT CLASS: **G06F-003/08**

...SPECIFICATION on a smartcard autonomously. These reader/writers typically form a completed product, i.e. vending **machine** or **point** -of-**sale** terminal. **Alteration** of the product to support new or different smartcards requires a redesign or modification of...

13/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00244228
Processor-based data and/or graphics display apparatus
Prozessor-gesteuertes Anzeigegerat fur Daten und/oder Graphik
Appareil a microprocesseur pour l'affichage de donnees et/ou de graphiques
PATENT ASSIGNEE:
PHILIPS ELECTRONICS UK LIMITED, (215201), 420-430 London Road, Croydon CR9 3QR, (GB), (applicant designated states: GB)
Philips Electronics N.V., (200769), Groenewoudseweg 1, 5621 BA Eindhoven , (NL), (applicant designated states: DE;FR;IT;SE)
INVENTOR:
Clark, David George, Philips Croydon 19 Commerce way, Croydon CR9 4JA, (GB)

LEGAL REPRESENTATIVE:
Boxall, Robin John et al (28561), Philips Electronics UK Limited Patents and Trade Marks Department Cross Oak Lane, Redhill, Surrey RH1 5HA, (GB)
PATENT (CC, No, Kind, Date): EP 249293 A2 871216 (Basic)
EP 249293 A3 891004
EP 249293 B1 940223
APPLICATION (CC, No, Date): EP 87201082 870605;
PRIORITY (CC, No, Date): GB 8614106 860610
DESIGNATED STATES: DE; FR; GB; IT; SE
INTERNATIONAL PATENT CLASS: **G06F-003/033**
ABSTRACT WORD COUNT: 97

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB97	338
CLAIMS B	(German)	EPAB97	330
CLAIMS B	(French)	EPAB97	359
SPEC B	(English)	EPAB97	3795
Total word count - document A			0
Total word count - document B			4822
Total word count - documents A + B			4822

INTERNATIONAL PATENT CLASS: **G06F-003/033**

...SPECIFICATION processor position detector function 6 the position XY indicated by the pointer 10 on the **display device** 1 is **found** .
(22) F-MN:
The processor menu generator function is activated in order to generate the...

13/3,K/9 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01092914 **Image available**
PURCHASE TRANSACTION SERVICE
SERVICE DE TRANSACTIONS D'ACHAT
Patent Applicant/Assignee:
OMNIPAY LIMITED, 14 Ely Place, Dublin 2, IE, IE (Residence), IE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
CONNOLLY Brian, 4 Mountsandel Park, Brighton Road, Foxrock, Dublin 18, IE , IE (Residence), IE (Nationality), (Designated only for: US)
O'DONOGHUE Hubert, 106 Gaybrook Lawns, Malahide, Co. Dublin, IE, IE (Residence), IE (Nationality), (Designated only for: US)
Legal Representative:
HIBBERT Juliet (et al) (agent), Kilburn & Strode, 20 Red Lion Street, London WC1R 4PJ, GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200415601 A2 20040219 (WO 0415601)
Application: WO 2003IB3711 20030725 (PCT/WO IB03003711)
Priority Application: GB 200218020 20020802
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE

SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5067

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... at a merchant's premises or may be integrated into a merchant's till system. **Alternatively** the **POS device** may be implemented in software to provide a user interface for presentation to a customer...

...the details associated with the card e.g. the card number and the expiry date. **Alternatively** , where the **POS device** 2 is provided on a computer screen, the customer may enter the card details. The...

13/3,K/10 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01090044 **Image available**
MULTI-APPLICATION SMART CARD DEVICE SOFTWARE SOLUTION INTEGRATING SALES TAX, PAYMENT AND DISCOUNT REWARDS
SOLUTION LOGICIELLE DE DISPOSITIF DE CARTE A PUCE INTELLIGENTE A APPLICATIONS MULTIPLES INTEGRANT LA TAXE DE VENTE, LE PAIEMENT ET LES PRIMES DE REMISE
Patent Applicant/Assignee:
VISA INTERNATIONAL SERVICE ASSOCIATION, 900 Metro Center Boulevard, Foster City, CA 94404, US, US (Residence), US (Nationality)
VISA U S A INC, 123 Mission Street, San Francisco, CA 94105, US, US (Residence), US (Nationality)
Inventor(s):
BORTOLIN Corinne, 210 Shelter Cove, Half Moon Bay, CA 94019, US,
HAMMAD Ayman, 6048 Corte Montanas, Pleasanton, CA 94566, US,
NELSON Chris S, 586 Cutwater Lane, Foster City, CA 94404, US,
OTAEGUI John, 50 Prince Edward Street, Carlton, New South Wales 2218, AU,

Legal Representative:
NG Horace H (et al) (agent), Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200412052 A2 20040205 (WO 0412052)
Application: WO 2003US23469 20030728 (PCT/WO US03023469)
Priority Application: US 2002398693 20020726; US 2003365703 20030211
Designated States: AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK (utility model) SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5169

Main International Patent Class: **G06F**
Fulltext Availability:
Detailed Description
Detailed Description
... the selected discount is 1 5 passed to the electronic cash register 24 by the **POS device** 12; **alternatively** , such information can be entered into the electronic cash register 24 by a store clerk...

13/3,K/11 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01075377 **Image available**
METHODS AND SYSTEMS FOR RECONCILIATION OF DISCOUNT CERTIFICATES
PROCEDES ET SYSTEMES DE CONCILIATION DE BONS DE REDUCTION
Patent Applicant/Assignee:
FIRST DATA CORPORATION, 12500 East Belford Avenue, Englewood, CO 80112-5939, US, US (Residence), US (Nationality)
Inventor(s):
RANDALL Steve, 11705 Running Fox Trail, Austin, TX 78759, US,
GEORGE Colleen, 3348 E. Geddes Drive, Centennial, CO 80122, US,
ALGIENE Kenneth, 9347 W. Vandeventor Drive, Littleton, CO 80128, US,
Legal Representative:
GIBBY Darin J (et al) (agent), Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 2003104937 A2 20031218 (WO 03104937)
Application: WO 2003US18227 20030609 (PCT/WO US0318227)
Priority Application: US 2002167720 20020610; US 2002238044 20020909; US 2003356368 20030130
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 12482

Main International Patent Class: **G06F**
Fulltext Availability:
Detailed Description

Detailed Description
... Block 232 thus generically denotes alternative and supplementary components that may be used by the **point** -of- **sale device** . Such **alternative** and supplementary components include a smart-card reader for extracting information from a chip card...

...in which information is collected and that still other ways of

collecting information by a **point -of- sale device** may **alternatively** be used.

12
[00411 Operation of the various components of the point-of-sale device...

13/3,K/12 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00927464 **Image available**
METHOD AND APPARATUS FOR CONDUCTING LIVE, POINT-OF-SALE, ELECTRONIC MONITORING AND TRANSACTION SERVICES
PROCEDE ET APPAREIL DE REALISATION DE SERVICES DE TRANSACTION ET DE SURVEILLANCE ELECTRONIQUES D'UN POINT DE VENTE, EN DIRECT
Patent Applicant/Assignee:
U S WIRELESS DATA INC, 20th Floor, 750 Lexington Avenue, New York, NY 10022, US, US (Residence), US (Nationality)
Inventor(s):
LEVAKE Mark, 6435 Amethyst Ct, Colorado Springs, CO 80918, US,
TOLER Travis, 56 Sildona Trail, Florissant, CO 80815, US,
EGAN John, 1200 Galapago St.#813, Denver, CO 80204, US,
CRUPPER Randy, P.O. Box 731, 308 High St., Palmer Lake, CO 80133, US,
YOUNG Rodney, 2665 Purgatory Drive, Colorado Springs, CO 80918, US,
DANIS Aaron, 620 Walsen Road, Colorado Springs, CO 80921, US,
Legal Representative:
HOPKINS Brian P (agent), Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., Chrysler Center, 666 Third Avenue, New York, NY 10017, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200261534 A2-A3 20020808 (WO 0261534)
Application: WO 2002US2434 20020129 (PCT/WO US0202434)
Priority Application: US 2001264752 20010129; US 2001311519 20010809; US 2001350180 20011026
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 11887

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... network via a wireless data network, sending a command from the remote computer to the **point -of- sale device** , the command for **changing** transaction information of the database with new information, sending the new information ftom the remote...

13/3,K/13 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00920139 **Image available**

METHOD AND APPARATUS FOR POINT OF SALE ACTIVATED DELIVERY OF PRODUCTS OR SERVICES

PROCEDE ET APPAREIL POUR LA FOURNITURE ACTIVEE AU NIVEAU DU POINT DE VENTE DE PRODUITS OU DE SERVICES

Patent Applicant/Assignee:
PEREGRINE MARKETING LLC, 5350 Poplar Avenue, Suite 750, Memphis, TN 38119 , US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:
HODES Mark B, 7009 Rose Trail Drive, Memphis, TN 38135, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:
FENTRESS Susan B (et al) (agent), Butler, Snow, O'Mara, Stevens & Cannada PLLC, P.O. Box 171443, Memphis, TN 38187, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200254170 A2-A3 20020711 (WO 0254170)
Application: WO 2001US46909 20011207 (PCT/WO US0146909)
Priority Application: US 2001260058 20010105; US 200161891 20011026

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 17587

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... active identification number to data encoded portion 84 of the card 16, or in the **alternative** embodiment, the **POS** terminal **device** 302 encodes the information. The consumer 324 can then by any form of electronic communication...

13/3,K/14 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00891458 **Image available**

POINT OF SALE TERMINAL

TERMINAL DE POINT DE VENTE

Patent Applicant/Assignee:
SOMA NETWORKS INC, 185 Berry St., Suite 2000, San Francisco, CA 94107, US , US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:
SNELGROVE W Martin, SOMA Networks, Inc., 312 Adelaide St. West, Suite 700, Toronto, Ontario M5V 1R2, CA, CA (Residence), CA (Nationality), (Designated only for: US)
STUMM Michael, SOMA Networks, Inc., 312 Adelaide St. West, Suite 700, Toronto, Ontario M5V 1R2, CA, CA (Residence), CA (Nationality),

(Designated only for: US)
LONG Everitt, SOMA Networks, Inc., 312 Adelaide St. West, Suite 700, Toronto, Ontario M5V 1R2, CA, CA (Residence), CA (Nationality), (Designated only for: US)
Legal Representative:
STRATTON Robert P (agent), SOMA Networks, Inc., 312 Adelaide St. West, Suite 700, Toronto, Ontario M5V 1R2, CA,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200225606 A2-A3 20020328 (WO 0225606)
Application: WO 2001CA1345 20010920 (PCT/WO CA0101345)
Priority Application: US 2000234169 20000920; CA 2356716 20010905; CA 2356714 20010905
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 10848

International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... or downloadable from a database within financial services provider 36. This image would appear in **display device** 92 of the **POS** teminal 24 used -loby the retailer staff. Alternatively, this portrait might be only accessed when...ii) displaying a set of script cues for the retailer to be dis played on **display device** 92 of **POS** terminal 24 ("Congratulations! It's your hundredth purchase from us, and it's free!", "Would...checkout").

At step 320, the retailer's name and the purchase price are displayed on **display device** 92 of residential **POS** terminal 96. This information is provided by e-commerce web site 404 and retailer systems...

13/3,K/15 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00831838 **Image available**
POINT OF SALE SYSTEM
SYSTEME DE POINT DE VENTE
Patent Applicant/Assignee:
THIN TECHNOLOGIES LTD, 104 Colin Street, Perth, Western Australia 6005, AU, AU (Residence), AU (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
COSTELLO Roger Michael, 14 Silbert Circle, Winthrop, Western Australia 6150, AU, AU (Residence), AU (Nationality), (Designated only for: US)
SINGLETON Christian Anthony, 117 Winthrop Avenue, Crawley, Western Australia 6009, AU, AU (Residence), AU (Nationality), (Designated only for: US)
BROWN Stephen Arthur, 70 East Street, Guildford, Western Australia 6055, AU, AU (Residence), AU (Nationality), (Designated only for: US)

Legal Representative:
GRIFFITH HACK (agent), Level 6, 256 Adelaide Terrace, Perth, Western Australia 6000, AU,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200165427 A1 20010907 (WO 0165427)
Application: WO 2001AU225 20010302 (PCT/WO AU0100225)
Priority Application: AU 20005966 20000302
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6047

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... updates to the POS program.

3 0 Preferably the POS program is preloaded on the **POS device** . **Alternatively** the **POS** program is downloaded periodically or on start up of the POS device.

Preferably, the server...preferred.

Back office access may be through a standard web browser 30 installed on the **POS device** 14. **Alternatively** , a web browser 34 may be accessed on a desktop or laptop computer 22 that...

...Hypertext Transfer Protocol (HTTP) through public access Internet 23. A web browser 34 acts an **alternative** to using the **POS device** to provide maintenance facilities including maintaining the POS backend files, such as pricing, products, customers...

13/3,K/16 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00771309 **Image available**
SYSTEM AND METHOD FOR COLLECTING, TRANSFERRING, AND ANALYZING INFORMATION FROM POINT-OF-SALE DEVICES
SYSTEME ET PROCEDE DE RECUEIL, TRANSFERT ET ANALYSE D'INFORMATIONS FOURNIES PAR DES DISPOSITIFS DE POINTS DE VENTE
Patent Applicant/Assignee:
POSINFO COM LLC, 120 Heady Avenue, Louisville, KY 40207, US, US (Residence), US (Nationality)
Inventor(s):
MADALON John F, 120 Heady Avenue, Louisville, KY 40207, US
NORRIS Richard, 120 Heady Avenue, Louisville, KY 40207, US
Legal Representative:
SHOUSE Emily A, Waddey & Patterson, 414 Union Street, Suite 2020, Bank of America Plaza, Nashville, TN 37219, US

Patent and Priority Information (Country, Number, Date):
Patent: WO 200104818 A1 20010118 (WO 0104818)
Application: WO 2000US18718 20000706 (PCT/WO US0018718)
Priority Application: US 99142838 19990708; US 2000611140 20000706
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6133

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... quarterly, or annual
basis.

Lookup File Extraction
The information collected and stored on any given **POS device** may **change** on a daily basis. For example, one day French Fries could occupy the number 2...

13/3,K/17 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00769505 **Image available**
SYSTEM AND METHOD FOR PROVISIONING TICKET PURCHASES OVER GLOBAL OR LOCAL NETWORKS
SYSTEME ET PROCEDE PERMETTANT L'ACHATS DE TICKETS SUR DES RESEAUX LOCAUX OU MONDIAUX
Patent Applicant/Assignee:
ZEBRAPASS INC, Suite 232, 4400 East-West Highway, Bethesda, MD 20814, US, US (Residence), US (Nationality)
Inventor(s):
KLEAR Jordan, Suite 232, 4400 East-West Highway, Bethesda, MD 20814, US
STEREN Marc, Suite 232, 4400 East-West Highway, Bethesda, MD 20814, US
Legal Representative:
DONNER Irah, Hale and Dorr LLP, 1455 Pennsylvania Avenue, N.W., Washington, DC 20004, US
Patent and Priority Information (Country, Number, Date):
Patent: WO 200103040 A1 20010111 (WO 0103040)
Application: WO 2000US18371 20000703 (PCT/WO US0018371)
Priority Application: US 99142063 19990702; US 99150754 19990826; US 2000215878 20000630
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Search Performed by Sylvia Keys 16-Mar-04

Publication Language: English
Filing Language: English
Fulltext Word Count: 32594

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... use during the event by the identification device or by an attendant at using a **point** of **sale** **device** . Additionally, other **alternative** or simultaneous arrangements may also be used that utilize this customized information.

To facilitate the...Subsequently, this information may be transmitted with order information for use in establishing an account. **Alternatively** , a theatre capture **device** 3220 linked to **POS** theatre 3210 or some other scanning device connected to network 3206 may be used in...

13/3,K/18 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00757133 **Image available**
METHOD AND APPARATUS FOR INTERNET COMMERCE
PROCEDE ET APPAREIL CONCUS POUR LE COMMERCE SUR L'INTERNET
Patent Applicant/Assignee:
ACCO BRANDS INC, 300 Tower Parkway, Lincolnshire, IL 60069, US, US (Residence), US (Nationality)
Inventor(s):
MURRAY William R Jr, 573 Marlin Court, Redwood City, CA 94065, US,
Legal Representative:
WOODS Michael E (et al) (agent), McCutchen, Doyle, Brown & Enersen, LLP, Three Embarcadero Center, San Francisco, CA 94111-3834, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200070521 A2-A3 20001123 (WO 0070521)
Application: WO 2000US13459 20000516 (PCT/WO US0013459)
Priority Application: US 99134741 19990518; US 99313954 19990518
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 9990

Main International Patent Class: **G06F-003/023**
Fulltext Availability:
Detailed Description

Detailed Description
... cause alert lamp 70 to activate when computer system 95 has been designated as a **point** -of- **sale** **display** **device** ; and power-on indicator programs which cause alert lamp 70 to be activated as long...

13/3,K/19 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00757062 **Image available**
ENCHANCED COMPUTER KEYBOARD SYSTEM
SYSTEME DE CLAVIER D'ORDINATEUR OPTIMISE
Patent Applicant/Assignee:
ACCO BRANDS INC, 300 Tower Parkway, Lincolnshire, IL 60069, US, US (Residence), US (Nationality)
Inventor(s):
MURRAY William R Jr, 573 Marlin Court, Redwood City, CA 94065, US
DASHER John, 1627 Via Campo Verde, San Jose, CA 95120, US
Legal Representative:
WOODS Michael E, Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834, US
Patent and Priority Information (Country, Number, Date):
Patent: WO 200070437 A1 20001123 (WO 0070437)
Application: WO 2000US13456 20000516 (PCT/WO US0013456)
Priority Application: US 99313954 19990518
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 10641

Main International Patent Class: **G06F-003/023**
Fulltext Availability:
Detailed Description

Detailed Description
... cause alert lamp 70 to activate when computer system 95 has been designated as a **point** -of- **sale display device** ; and power-on indicator programs which cause alert lamp 70 to be activated as long...

13/3,K/20 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00747123 **Image available**
METHOD AND SYSTEM FOR THE PRESENTATION AND REDEMPTION OF REWARD OFFERS
PROCEDE ET SYSTEME DE PRESENTATION ET D'ACQUISITION D'OFFRES PROMOTIONNELLES
Patent Applicant/Assignee:
WALKER DIGITAL LLC, 5 High Ridge Park, Stamford, CT 06905, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
WALKER Jay S, 124 Spectacle Lane, Ridgefield, CT 06877, US, US (Residence), US (Nationality), (Designated only for: US)
MIK Magdalena, 10 South New Street, Greenwich, CT 06830, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:

SANTISI Steven M (et al) (agent), Walker Digital Corporation, Intellectual Property Dept., Five High Ridge Park, Stamford, CT 06905, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200060516 A2 20001012 (WO 0060516)
Application: WO 2000US8183 20000328 (PCT/WO US0008183)
Priority Application: US 99285201 19990401
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 18718

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... devices such as a keypad, barcode reader, credit card reader, other input devices, and a **display device** . **Point** of **sale** tern-unal 107 may also be equipped with hardware and software for communicating with a...

13/3,K/21 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00576350 **Image available**
METHOD AND APPARATUS FOR DETERMINING A SUBSCRIPTION TO A PRODUCT IN A RETAIL ENVIRONMENT
PROCEDE ET APPAREILLAGE PERMETTANT DE PROPOSER UNE SOUSCRIPTION A UN PRODUIT DANS UN ENVIRONNEMENT DE VENTE AU DETAIL
Patent Applicant/Assignee:
WALKER DIGITAL LLC,
WALKER Jay S,
VAN LUCHENE Andrew S,
O'SHEA Deirdre,
Inventor(s):
WALKER Jay S,
VAN LUCHENE Andrew S,
O'SHEA Deirdre,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200039723 A2 20000706 (WO 0039723)
Application: WO 99US27709 19991122 (PCT/WO US9927709)
Priority Application: US 98221457 19981228
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 14615

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... data storage device 320, a clock 330, a printer 340, an input device 350, a **display device** 360 and the **POS** controller 100. The data storage device 320 comprises an appropriate combination of magnetic, optical and...

13/3,K/22 (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00557632 **Image available**
METHOD AND APPARATUS FOR DEFINING ROUTING OF CUSTOMERS BETWEEN MERCHANTS
PROCEDE ET APPAREIL PERMETTANT DE DEFINIR L'ACHEMINEMENT DE CLIENTS ENTRE DES COMMERCANTS
Patent Applicant/Assignee:
WALKER DIGITAL LLC,
WALKER Jay S,
VAN LUCHENE Andrew S,
TEDESCO Daniel E,
MIK Magdalena,
JORASCH James A,
Inventor(s):
WALKER Jay S,
VAN LUCHENE Andrew S,
TEDESCO Daniel E,
MIK Magdalena,
JORASCH James A,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200021005 A1 20000413 (WO 0021005)
Application: WO 99US22060 19990922 (PCT/WO US9922060)
Priority Application: US 98166405 19981005
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 12800

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... transmitted to the server 210 (FIG. 2) via a store controller in communication with the **POS** terminal or other **device** . **Alternatively** , the measurements may be transmitted to the Internet service provider 120 (FIG. 1). The server...

13/3,K/23 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00530662 **Image available**
METHOD AND APPARATUS FOR SELLING AN AGING FOOD PRODUCT AS A SUBSTITUTE FOR AN ORDERED PRODUCT
PROCEDE ET APPAREIL PERMETTANT DE VENDRE UNE DENREE ALIMENTAIRE VIEILLISSANT COMME PRODUIT DE REMPLACEMENT D'UN ALIMENT COMMANDE
Patent Applicant/Assignee:
WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,
Inventor(s):
WALKER Jay S,
VAN LUCHENE Andrew S,
ROGERS Joshua D,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9962014 A1 19991202
Application: WO 98US19644 19980921 (PCT/WO US9819644)
Priority Application: US 9883483 19980522
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 9374

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... food product (step 1506). The offer may be displayed as a textual message on a **display device** of the **POS** ten-ninal and viewed bv the customer or viewed by the operator who in turn...appropriate offer (step 1512). The offer may be displayed as a textual message on a **display device** of the **POS** terminal and viewed by the customer or viewed by the operator who in turn reads...determine that the offer has been accepted by actuation of a key on the input **device** of the **POS** terminal. **Alternatively** , a bar code scanner of the POS terminal may scan a bar code on the...

13/3,K/24 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00519431
INTEGRATED KEYBOARD INPUT DEVICE
DISPOSITIF D'ENTREE A CLAVIER INTEGRE
Patent Applicant/Assignee:
LOGIC CONTROLS INC,
Inventor(s):
LUM Jackson,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9950783 A1 19991007
Application: WO 99US7151 19990331 (PCT/WO US9907151)
Priority Application: US 9880084 19980331; US 9883844 19980501; US 9887457 19980601; US 98105157 19981021
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU

TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 6180
International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... left side, right side, front
elevational and, rear elevational views respectively, of an integrated keyboard **device** including an **alternative** **POS** keyboard configuration integrated with an optical -scanner and a magnetic card reader, formed in accordance...

13/3,K/25 (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00519381 **Image available**
SYSTEM AND METHOD FOR TRACKING AND ESTABLISHING A PROGRESSIVE DISCOUNT BASED UPON A CUSTOMER'S VISITS TO A RETAIL ESTABLISHMENT
SYSTEME ET PROCEDE DE SUIVI ET D'ETABLISSEMENT D'UN RABAIS PROGRESSIF LIE AU NOMBRE DE VISITES FAITES PAR UN CLIENT A UN COMMERCE DE DETAIL
Patent Applicant/Assignee:
WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,
Inventor(s):
WALKER Jay S,
VAN LUCHENE Andrew S,
MIK Magdalena,
CHUPREVICH John,
ALDERUCCI Dean,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9950733 A2 19991007
Application: WO 99US6597 19990325 (PCT/WO US9906597)
Priority Application: US 9849297 19980327; US 98166267 19981005
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 26742

Main International Patent Class: **G06F**
Fulltext Availability:
Detailed Description

Detailed Description
... of the POS terminals 1610, 1620, and 1630 is also connected to a respective printer, **display** **device** , and input **device** .

POS terminal 161 0 is connected to input device 1640, display device 1642, and printer 1644...

...data storage device 1720, a clock 1730, a printer 1740, an input device 1750, a **display** **device** 1760 and the **POS** controller 1600. The data storage device 1720 comprises an appropriate combination of magnetic,

optical and...

...The connection of POS terminal 1700 to the printer 1740, the input device 1750, the **display device** 1760 and the **POS** controller 1600 depicts the arrangement as shown in FIG. 15, where each POS terminal is ...

13/3,K/26 (Item 18 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00479442 **Image available**
METHOD AND APPARATUS FOR SELLING AN AGING FOOD PRODUCT
PROCEDE ET DISPOSITIF DE VENTE DE DENREE PERISSABLE
Patent Applicant/Assignee:
WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,
Inventor(s):
WALKER Jay S,
VAN LUCHENE Andrew S,
OTTO Jonathan,
TEDESCO Daniel E,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9910794 A2 19990304
Application: WO 98US17274 19980820 (PCT/WO US9817274)
Priority Application: US 97920116 19970826; US 9883483 19980522
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 12087

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... an indication of the food product to the operator and/or
20
customer via its **display device** . For example, the **POS** terminal may output the text "Would you like a hamburger for your $0.32 change...

13/3,K/27 (Item 19 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00388703 **Image available**
POINT OF SALE SYSTEM FOR PROCESSING STATISTICS AND DIAGNOSTICS AND METHOD OF OPERATING SAME
SYSTEME POINT DE VENTE SERVANT A TRAITER DES STATISTIQUES ET DES DIAGNOSTICS ET PROCEDE DE MISE EN SERVICE
Patent Applicant/Assignee:
SMARTE CARTE INC,
COMMSTAR,
Inventor(s):
SOLBERG Conrad R,

ROGNEY Christopher J,
ZIMMERMAN Fredric C,
SEVERSON Verne L,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9729446 A1 19970814
Application: WO 97US1709 19970211 (PCT/WO US9701709)
Priority Application: US 96599809 19960212
Designated States: AU CA JP MX NO AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 3881
Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... POS device then stores the information for subsequent transmission to a remote computer for processing. **Alternatively** , the **POS**
device , when instructed, can immediately transmit the information to a
...communicate to the data communications facility
3 by direct means depicted in Figure I as **POS device** 6.
Alternatively , a **POS device** 8, 10 may communicate through a POS communications controller 5 as
shown in Figure 1...

13/3,K/28 (Item 20 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00235248
PRODUCT DISTRIBUTION EQUIPMENT AND METHOD
PROCEDE ET DISPOSITIF DE DISTRIBUTION DE PRODUITS
Patent Applicant/Assignee:
CAPITAL CITIES ABC,
Inventor(s):
BURKS Rupert T,
BOSKA Joseph M,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9309508 A1 19930513
Application: WO 92US9272 19921029 (PCT/WO US9209272)
Priority Application: US 91272 19911101
Designated States: AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR LK LU MG MN MW NL NO PL RO RU SD SE AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE BF BJ CF CG CI CM GA GN ML MR SN TD TG
Publication Language: English
Fulltext Word Count: 20538

Main International Patent Class: **G06F-015/24**
Fulltext Availability:
Detailed Description

Detailed Description
... be
controlled on a product or title ID basis.

Selecting data from that used by **display devices** in the local **point** -of- **sale** (11POS11) systems has the advantage that the data collection equipment used can be largely

File 344:Chinese Patents Abs Aug 1985-2004/Mar
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2003/Nov(Updated 040308)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200417
(c) 2004 Thomson Derwent
File 348:EUROPEAN PATENTS 1978-2004/Mar W01
(c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040311,UT=20040304
(c) 2004 WIPO/Univentio
File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Feb
(c)2004 Info.Sources Inc
File 2:INSPEC 1969-2004/Mar W1
(c) 2004 Institution of Electrical Engineers
File 35:Dissertation Abs Online 1861-2004/Feb
(c) 2004 ProQuest Info&Learning
File 65:Inside Conferences 1993-2004/Mar W2
(c) 2004 BLDSC all rts. reserv.
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Feb
(c) 2004 The HW Wilson Co.
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
(c) 2003 EBSCO Pub.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group
File 474:New York Times Abs 1969-2004/Mar 15
(c) 2004 The New York Times
File 475:Wall Street Journal Abs 1973-2004/Mar 15
(c) 2004 The New York Times
File 16:Gale Group PROMT(R) 1990-2004/Mar 16
(c) 2004 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2004/Mar 09
(c)2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Mar 16
(c) 2004 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Mar 16
(c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Mar 16
(c) 2004 The Gale Group
File 9:Business & Industry(R) Jul/1994-2004/Mar 15
(c) 2004 Resp. DB Svcs.
File 15:ABI/Inform(R) 1971-2004/Mar 16
(c) 2004 ProQuest Info&Learning
File 20:Dialog Global Reporter 1997-2004/Mar 16
(c) 2004 The Dialog Corp.
File 95:TEME-Technology & Management 1989-2004/Feb W5
(c) 2004 FIZ TECHNIK
File 476:Financial Times Fulltext 1982-2004/Mar 16
(c) 2004 Financial Times Ltd
File 610:Business Wire 1999-2004/Mar 16
(c) 2004 Business Wire.
File 613:PR Newswire 1999-2004/Mar 16
(c) 2004 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2004/Mar 15
(c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2004/Mar 15
(c) 2004 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30

Search Performed by Sylvia Keys 16-Mar-04

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          (c) 1999 PR Newswire Association Inc
File  47:Gale Group Magazine DB(TM) 1959-2004/Mar 16
          (c) 2004 The Gale group
File 122:Harvard Business Review 1971-2004/Feb
          (c) 2004 Harvard Business Review
File 444:New England Journal of Med. 1985-2004/Mar W2
          (c) 2004 Mass. Med. Soc.
File 482:Newsweek 2000-2004/Mar 09
          (c) 2004 Newsweek, Inc.
File 609:Bridge World Markets 2000-2001/Oct 01
          (c) 2001 Bridge
File 619:Asia Intelligence Wire 1995-2004/Mar 15
          (c) 2004 Fin. Times Ltd
File 622:EIU Magazines 2000-2004/Mar 18
          (c) 2004 EIU Magazines
File 635:Business Dateline(R) 1985-2004/Mar 16
          (c) 2004 ProQuest Info&Learning
File 646:Consumer Reports 1982-2004/Feb
          (c) 2004 Consumer Union
File 647:CMP  Computer Fulltext 1988-2004/Mar W1
          (c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Mar W1
          (c) 2004 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2004/Mar 15
          (c) 2004 The Dialog Corp.
File 748:Asia/Pac Bus. Jrnls 1994-2004/Mar 16
          (c) 2004 The Dialog Corporation
? ds

Set     Items   Description
S1      62818   (POS OR POINT(1W)SALE? ?)(3N)((DEVICE OR DEVICES OR APPARA-
             TUS OR TERMINAL OR TERMINALS) OR EPOS ELECTRONIC()POINT()SALE-
             ?)
S2      12211   ((SALE OR SALES)()(ITEM OR ITEMS) OR MERCHANDISE OR GOODS?-
             )(3N)(REGISTER? OR REGISTRAT? OR INPUT?)
S3        126   S1(5N)S2
S4     287800   (CHANGE OR CHANGES OR CHANGING OR MISTAKE OR MISTAKES OR E-
             RROR OR ERRORS)(5N)CORRECT?
S5          0   S3(8N)S4
S6          1   S3(8N)CORRECT?
S7          1   S3(8N) (CHANGE OR CHANGES OR CHANGING OR MISTAKE OR MISTAK-
             ES OR ERROR OR ERRORS)
S8          1   S7 NOT S6
S9     124113   (DISPLAY? OR REPRESENT? OR DESCRIPT? OR DEPICT? OR VISUALI?
              OR SHOW OR SHOWS OR SHOWING OR EXHIBIT? OR VIEW?)(3N)(ENTRY -
             OR ENTRIES OR SALES()(ITEM OR ITEMS) OR MERCHANDISE OR GOODS)
S10         7   S3(5N)S9
S11         7   S10 NOT (S6 OR S8)
S12         7   RD (unique items)
S13    362260   MENU()(KEY OR KEYS OR KEYBOARD? ?) OR BARCOD? OR DISPLAY()-
             DEVICE? ?
S14         2   S3(8N)S13
S15         1   S14 NOT (S6 OR S8 OR S12)
```

Considered 3/17/04

Search Performed by Sylvia Keys 16-Mar-04

6/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011570692 **Image available**
WPI Acc No: 1997-547173/199750
XRPX Acc No: N97-456057

Goods sale data processing system for whole-sale shop, supermarket - judges continuous use of local file of terminal when transmission frequency and reception frequency are in accordance

Patent Assignee: TOKYO ELECTRIC CO LTD (TODK)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9265425	A	19971007	JP 9673560	A	19960328	199750	B

Priority Applications (No Type Date): JP 9673560 A 19960328
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9265425	A		9	G06F-012/00	

...Abstract (Basic): ADVANTAGE - Enables **correct** use of local file. Prevents mistaken sales **registration** of **goods** by **POS** **terminal** .

Search Performed by Sylvia Keys 16-Mar-04

8/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

06988991 **Image available**
POS SYSTEM

PUB. NO.: 2001-216566 [JP 2001216566 A]
PUBLISHED: August 10, 2001 (20010810)
INVENTOR(s): KOBAYASHI TORU
APPLICANT(s): TOSHIBA TEC CORP
APPL. NO.: 2000-025440 [JP 200025440]
FILED: February 02, 2000 (20000202)

ABSTRACT

PROBLEM TO BE SOLVED: To prevent the occurrence of unmatching in **merchandise registering** contents in each **POS terminal** due to the **change** of merchandise data stored in the merchandise master file of a merchandise master managing device...

date

Search Performed by Sylvia Keys 16-Mar-04

12/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07079579 **Image available**
CONTROL DEVICE FOR MERCHANDISE DISPLAY IN POS TERMINAL

PUB. NO.: 2001-307226 [JP 2001307226 A]
PUBLISHED: November 02, 2001 (20011102)
INVENTOR(s): SHIINO TOMOYUKI
APPLICANT(s): NEC INFRONTIA CORP
APPL. NO.: 2000-116355 [JP 2000116355]
FILED: April 18, 2000 (20000418)

ABSTRACT

... intuitively display the content of the merchandise without interrupting the input performance when a same **merchandise** with the one **displayed** before is additionally **inputted** in **displaying** the **merchandise** in the **POS terminal** .

SOLUTION: ROM 5 housing programs and RAM 6 used to store various master data and...

12/3,K/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014223895 **Image available**
WPI Acc No: 2002-044593/200206
XRPX Acc No: N02-033171
Goods **selling** registration **data processor e.g.** point **of** sales terminal displays **actual cost of** goods **and determined cost based on discount information in different areas of screen**
Patent Assignee: TOKYO ELECTRIC CO LTD (TODK)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001256571	A	20010921	JP 200070589	A	20000314	200206	B

Priority Applications (No Type Date): JP 200070589 A 20000314
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001256571	A		17	G07G-001/12	

Goods **selling** registration **data processor e.g.** point **of** sales terminal displays **actual cost of** goods **and determined cost based on discount information in different areas of screen**

12/3,K/3 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013284113 **Image available**
WPI Acc No: 2000-456048/200040
XRPX Acc No: N00-340072
Display **device for** goods **selling** registration **data processor e.g.** point **of** sale terminal , **has display unit which shows data cleared to display row position**

Patent Assignee: TOKYO ELECTRIC CO LTD (TODK)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000163245	A	20000616	JP 98337043	A	19981127	200040	B

Priority Applications (No Type Date): JP 98337043 A 19981127
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000163245	A		8	G06F-003/14	

Display **device for** goods **selling** registration **data processor e.g.** point **of** sale terminal **, has display unit which shows data cleared to display row position**

12/3,K/4 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013106482 **Image available**
WPI Acc No: 2000-278353/200024
XRPX Acc No: N00-209696
Goods selling registration processing apparatus, e.g. POS terminal, electronic cash register, for e.g. store
Patent Assignee: TOKYO ELECTRIC CO LTD (TODK)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000076551	A	20000314	JP 98248573	A	1998090	200024	B

Priority Applications (No Type Date): JP 98248573 A 19980902
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000076551	A		9	G07G-001/12	

...Abstract (Basic): the unit code of the goods is detected by the search unit from the registration **goods** buffer. DETAILED **DESCRIPTION** - The **goods** selling **registration** processing **apparatus** , e.g. **POS terminal** (1-1-1-n) has a goods application condition setting table (5-1-5-n...

12/3,K/5 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013039696 **Image available**
WPI Acc No: 2000-211549/200019
XRPX Acc No: N00-158346
Point **-of-** sales **management** terminal **for shop,** displays input **quantity of** goods **obtained by operation of each key of keyboard, collectively**
Patent Assignee: TOKYO ELECTRIC CO LTD (TODK)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11339124	A	19991210	JP 98149654	A	19980529	200019	B

Priority Applications (No Type Date): JP 98149654 A 19980529

Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 11339124 A 8 G07G-001/00

Point **-of-** sales **management** terminal **for shop,** displays input **quantity of** goods **obtained by operation of each key of keyboard, collectively**

12/3,K/6 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012643016 **Image available**
WPI Acc No: 1999-449121/199938
XRPX Acc No: N99-335607
Promoted goods selling registration apparatus in fast-food store, restaurant - outputs visitor unit price distribution from number of visitors of each storing tip area which stores initial value of visitor unit price
Patent Assignee: SANYO ELECTRIC CO LTD (SAOL)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
JP 11185165 A 19990709 JP 97365900 A 19971222 199938 B

Priority Applications (No Type Date): JP 97365900 A 19971222
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 11185165 A 8 G07G-001/12

...Abstract (Basic): goods is exactly performed, thereby improving sales and service. DESCRIPTION OF DRAWING(S) - The figure **shows** perspective diagram of **goods** selling **registration apparatus** . (1) **POS terminal** .

12/3,K/7 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012466244 **Image available**
WPI Acc No: 1999-272352/199923
XRPX Acc No: N99-203917
Point of sale (POS) terminal - has goods registering unit in main body, which updates goods data registering memory based on goods data transmitted from display terminal, to enable goods registration processing
Patent Assignee: TOKYO ELECTRIC CO LTD (TODK)
Number of Countries: 001 Number of Patents: 002
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
JP 11086135 A 19990330 JP 97248012 A 19970912 199923 B
JP 3439087 B2 20030825 JP 97248012 A 19970912 200357

Priority Applications (No Type Date): JP 97186599 A 19970711
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 11086135 A 21 G07G-001/12

JP 3439087 B2 20 G07G-001/01 Previous Publ. patent JP 11086135

...Abstract (Basic): judging unit, goods designating unit, goods group designating unit and mode selecting unit, to enable **goods registration** processing. DETAILED **DESCRIPTION** - The **POS terminal** (1) has a main body (2) with a drawer (3) and a printer (4). The...

Search Performed by Sylvia Keys 16-Mar-04

15/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01208994
TELEPHONE CHARGE MANAGEMENT SYSTEM
TELEFONGEBUHREN-VERWALTUNGSSYSTEM
SYSTEME DE GESTION DE FACTURATION TELEPHONIQUE
PATENT ASSIGNEE:
Muramatsu, Yasuo, (3117760), 37-4-605, Nihonbashihakozakicho, Chuo-ku, Tokyo 103-0015, (JP), (Applicant designated States: all)
Yokoi, Masato, (2839680), 494, Hondacho 1-chome, Midori-ku, Chiba-shi, Chiba 266-0005, (JP), (Applicant designated States: all)
INVENTOR:
Muramatsu, Yasuo, 37-4-605, Nihonbashihakozakicho, Chuo-ku, Tokyo 103-0015, (JP)
Yokoi, Masato, 494, Hondacho 1-chome, Midori-ku, Chiba-shi, Chiba 266-0005, (JP)
LEGAL REPRESENTATIVE:
Hering, Hartmut, Dipl.-Ing. (5323), Patentanwalte Berendt, Leyh & Hering Innere Wiener Strasse 20, 81667 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1161072 A1 011205 (Basic)
WO 200054490 000914
APPLICATION (CC, No, Date): EP 2000907930 000308; WO 2000JP1382 000308
PRIORITY (CC, No, Date): JP 9962554 990310; JP 99300546 991022
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: H04M-015/00; H04M-011/00; H04M-001/27; G07F-007/10; G06F-017/60
ABSTRACT WORD COUNT: 149
NOTE:
Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200149	4958
SPEC A	(English)	200149	14306
Total word count - document A			19264
Total word count - document B			0
Total word count - documents A + B			19264

...SPECIFICATION register to which a barcode reader is connected, and the register also works as a **POS terminal** . Generally, **merchandise** information data **inputted** on the basis of a **barcode** is sent to the head office of the store through another computer of the store...

Search Performed by Sylvia Keys 16-Mar-04

STN Search

=> d hist

(FILE 'HOME' ENTERED AT 14:58:20 ON 16 MAR 2004)

FILE 'CONFSCI' ENTERED AT 14:58:34 ON 16 MAR 2004
L1 [redacted] 2 S (POS OR POINT(1W)SALE?)(3N)((DEVICE OR DEVICES OR APPARATUS O

Considered /SF/ 3/17/09

STN Search

L1 ANSWER 1 OF 2 CONFSCI COPYRIGHT 2004 CSA on STN
AN 97:5191 CONFSCI
DN 97-017167
TI Application of cognitive measures and models in predicting **point -of-sale terminal** performance
AU Meyer, B.; Catrambone, R.
CS Georgia Tech
SO Human Factors & Ergonomics Society, PO Box 1369, Santa Monica, CA 90406-1369, Abstracts and full papers available..
Meeting Info.: 963 0311: 40th Annual Meeting of the Human Factors and Ergonomics Society (9630311). Philadelphia, PA (USA). 2-6 Sep 1996. Human Factors & Egronomics Society.
DT Conference
FS DCCP
LA English

L1 ANSWER 2 OF 2 CONFSCI COPYRIGHT 2004 CSA on STN
AN 78:15327 CONFSCI
DN 78058005
TI Retail merchants views on "**POS**)" **terminals**.
AU LaNear, R.E.
CS Univ Of Mississippi.
SO Papers in "Decision Sciences in the Public and Private Sectors: Theory and Applications," (Eng) available immediately, $10: Dr. Billy M. Bagwell, Box DB, Bus. Statistics & Data Processing Dept., Mississippi State, MS 39762..
Meeting Info.: American Institute for Decision Sciences 9th Southwestern Meeting (AIDS SW '78) (781 2112). Dallas, Texas. 8-11 Mar 78. American Institute for Decision Sciences (Southwest Region).
DT Conference Article
FS DCCP
LA UNAVAILABLE

Sylvia Keys EIC 3600

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File 344:Chinese Patents Abs Aug 1985-2004/Mar
         (c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2003/Nov(Updated 040308)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200417
         (c) 2004  Thomson Derwent
File 348:EUROPEAN PATENTS 1978-2004/Mar W01
         (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040311,UT=20040304
         (c) 2004 WIPO/Univentio
? ds

Set     Items   Description
S1       2083   AU='WATANABE M':AU='WATANABE M C O MITSUBISHI MATERIALS CO'
S2          0   S1 AND (SALES()(ITEM OR ITEMS))
S3         13   S1 AND POS
S4         11   AU='WATANABE MOTOHIRO':AU='WATANABE MOTOHITO'
S5          0   S4 AND POS
```

Considered @7 3/17/04

Search Performed by Sylvia Keys 16-Mar-04

3/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013362473 **Image available**
WPI Acc No: 2000-534412/200049
XRPX Acc No: N00-395354
Point of sale (POS) centralized system for bar code scanners uses generated batch setting to provide discrete setting changes in multiple scanners
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: IWAGUCHI I; KAWAI H; **WATANABE M**
Number of Countries: 027 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1026621	A2	20000809	EP 99306049	A	19990729	200049 B
JP 2000222643	A	20000811	JP 9925114	A	19990202	200053
US 6349879	B1	20020226	US 99362705	A	19990729	200220
US 20020056752	A1	20020516	US 99362705	A	19990729	200237
			US 200242167	A	20020111	
US 6520413	B2	20030218	US 99362705	A	19990729	200317
			US 200242167	A	20020111	

Priority Applications (No Type Date): JP 9925114 A 19990202
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1026621	A2	E	22	G06K-007/10	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2000222643	A		18	G07G-001/14	
US 6349879	B1			G06K-007/10	
US 20020056752	A1			G06K-007/10	Div ex application US 99362705
US 6520413	B2			G06K-007/10	Div ex application US 99362705 Div ex patent US 6349879

Point of sale (POS) centralized system for bar code scanners uses generated batch setting to provide discrete setting changes...
...Inventor: **WATANABE M**

Abstract (Basic):
... The figure shows the configuration of the **POS** system for changing discrete setting on multiple scanners...
...Title Terms: **POS** ;

3/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013242614 **Image available**
WPI Acc No: 2000-414496/200036
XRPX Acc No: N00-309713
Bar code reading apparatus for point of sales system, comprises CPU for decoding character to be decoded according to corrected black bar widths
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: IWAGUCHI I; KAWAI H; **WATANABE M**
Number of Countries: 028 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1011063	A2	20000621	EP 99302870	A	19990413	200036 B

JP 2000181987	A	20000630	JP 98359710	A	19981217	200037	
KR 2000047394	A	20000725	KR 9916040	A	19990504	200115	
US 6357660	B1	20020319	US 99282468	A	19990331	200224	
KR 334047	B	20020426	KR 9916040	A	19990504	200270	

Priority Applications (No Type Date): JP 98359710 A 19981217
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1011063	A2	E	25	G06K-007/14	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2000181987	A		23	G06K-007/10	
KR 2000047394	A			G06K-007/10	
US 6357660	B1			G06K-007/10	
KR 334047	B			G06K-007/10	Previous Publ. patent KR 2000047394

...Inventor: **WATANABE M**

Abstract (Basic):
... For point of sales (**POS**) system. For decoding character from bar code...

3/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013113540
WPI Acc No: 2000-285411/200025
Related WPI Acc No: 1997-396170
XRPX Acc No: N00-214984

Method for controlling a bar code reader in a point of sale (POS) system, involves adjusting light sensitivity according to the external light levels

Patent Assignee: FUJITSU LTD (FUIT)
Inventor: ITOH M; KAWAI H; SATOH S; SHINODA I; **WATANABE M**
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2343247	A	20000503	GB 9617126	A	19960815	200025	B
			GB 20002409	A	20000202		
GB 2343247	B	20000628	GB 9617126	A	19960815	200033	
			GB 20002409	A	20000202		

Priority Applications (No Type Date): JP 9638361 A 19960226
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2343247	A		33	G06K-007/10	Derived from application GB 9617126
GB 2343247	B			G06K-007/10	Derived from application GB 9617126

Method for controlling a bar code reader in a point of sale (POS) system, involves adjusting light sensitivity according to the external light levels

...Inventor: **WATANABE M**

Abstract (Basic):
... Method for controlling a bar code reader in a point of sale (**POS**) system...
...Title Terms: **POS** ;

Search Performed by Sylvia Keys 16-Mar-04

3/3,K/4 **(Item 4 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013106480 **Image available**
WPI Acc No: 2000-278351/200024
XRPX Acc No: N00-209694
Multiple price look-up maintenance system for POS system
Patent Assignee: NEC CORP (NIDE)
Inventor: **WATANABE M**
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000076549	A	20000314	JP 98247337	A	19980901	200024	B
US 6363354	B1	20020326	US 99386902	A	19990831	200226	

Priority Applications (No Type Date): JP 98247337 A 19980901
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000076549	A		11	G07G-001/12	
US 6363354	B1			G06F-017/60	

Multiple price look-up maintenance system for POS system
Inventor: **WATANABE M**
...Abstract (Basic): NOVELTY - The memory (103) of a **POS** server apparatus (100) has a master PLU log management table (108) into which input modification data of PLU table are registered. The **POS** server apparatus has a LAN controller (105) via which the content registered into the table (108) is transmitted to the **POS** apparatuses (200-400) by multicast transmission. DETAILED DESCRIPTION - The memory (103) has a master PLU table which is updated by the modification data. Each **POS** apparatuses receives the updating data, register the updating data into a local PLU management table (209) and updates a local PLU table (208) by the updating data. The **POS** server apparatus and **POS** apparatuses are connected by LAN (500). The **POS** server apparatus has a CPU (101), a display device (102), a keyboard (104, the memory (103) and the LAN controller (105). Each **POS** apparatus has a CPU (201), a display device (202), a keyboard (204), a bar-code...

...USE - For **POS** system...

...ADVANTAGE - Synchronizes content of updating of PLU table between **POS** server apparatus and **POS** apparatuses. Ensures no time difference in updating of PLU table even if the number of **POS** apparatus connected to LAN increases. Ensures normal operation of LAN even if the **POS** server apparatus is down. DESCRIPTION OF DRAWING(S) - The figure is a block diagram showing the components of the multiple price look-up maintenance system. (100) **POS** server apparatus; (101,201) CPU; (102,202) Display device; (103,203) Memory; (104,204) Keyboard; (105,205) LAN controller; (108) Master PLU log management table; (200-400) **POS** apparatuses; (206) Bar-code input device; (207) Printer; (208) Local PLU table; (209) Local PLU...
...Title Terms: **POS** ;

3/3,K/5 **(Item 5 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

Search Performed by Sylvia Keys 16-Mar-04

013052968 **Image available**
WPI Acc No: 2000-224823/200019
XRPX Acc No: N00-168392
Bar code reader for POS ; scans bar code twice or more and detects multiple pieces of bar code data, and decoder decodes the bar code data
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: ITOH M; IWAGUCHI I; KAWAI H; **WATANABE M**
Number of Countries: 020 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200011594	A1	20000302	WO 99JP482	A	19990204	200019 B
JP 2000067154	A	20000303	JP 98237817	A	19980824	200023
US 20010006192	A1	20010705	WO 99JP482	A	19990204	200139
			US 2001790817	A	20010223	
EP 1117059	A1	20010718	EP 99901940	A	19990204	200142
			WO 99JP482	A	19990204	
US 6695210	B2	20040224	WO 99JP482	A	19990204	200415
			US 2001790817	A	20010223	

Priority Applications (No Type Date): JP 98237817 A 19980824
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200011594	A1	J	31	G06K-007/10	
Designated States (National): US					
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
JP 2000067154	A		11	G06K-007/10	
US 20010006192	A1			G06K-007/10	Cont of application WO 99JP482
EP 1117059	A1	E		G06K-007/10	Based on patent WO 200011594
Designated States (Regional): DE FR GB					
US 6695210	B2			G06K-007/10	Cont of application WO 99JP482

Bar code reader for POS ; scans bar code twice or more and detects multiple pieces of bar code data, and...
...Inventor: **WATANABE M**

Abstract (Basic):
... In bar code reading and scanning used in **POS** equipment...

...upper level machine (**POS**) (201...
...Title Terms: **POS ;**

3/3,K/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

011429695 **Image available**
WPI Acc No: 1997-407602/199738
XRPX Acc No: N97-339024
Bar-code reader for POS system used in departmental store - has demodulator which demodulates first bar-code and when pattern equivalent to identification bar of first bar-code is detected, demodulation unit start detecting second bar-code
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: IWAGUCHI I; SATO S; SHINODA I; **WATANABE M**
Number of Countries: 002 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week

JP 9179927	A	19970711	JP 95339478	A	19951226	199738	B
US 6095419	A	20000801	US 96715975	A	19960919	200039	
US 6321987	B1	20011127	US 96715975	A	19960919	200175	
			US 2000534155	A	20000324		

Priority Applications (No Type Date): JP 95339478 A 19951226
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9179927	A		33	G06K-007/00	
US 6095419	A			G06K-007/10	
US 6321987	B1			G06K-007/10	Div ex application US 96715975 Div ex patent US 6095419

Bar-code reader for POS system used in departmental store...
...Inventor: **WATANABE M**
...Title Terms: **POS ;**

3/3,K/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

011397603 **Image available**
WPI Acc No: 1997-375510/199735
XRPX Acc No: N97-311756
Optical bar code reading method for e.g POS system - involves determining whether code and reader are moving relative to each other and accordingly validating or not code data
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: ITOH M; IWAGUCHI I; KAWAI H; SATO S; SHINODA I; **WATANABE M**
Number of Countries: 004 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2310066	A	19970813	GB 9620025	A	19960924	199735	B
JP 9212575	A	19970815	JP 9621071	A	19960207	199743	
US 5756983	A	19980526	US 96718891	A	19960924	199828	
US 5898163	A	19990427	US 96718891	A	19960924	199924	
JP 3005465	B2	20000131	JP 9621071	A	19960207	200010	
GB 2310066	B	20000329	GB 9620025	A	19960924	200019	
CN 1156864	A	19970813	CN 96112427	A	19961016	200139	

Priority Applications (No Type Date): JP 9621071 A 19960207
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2310066	A		56	G06K-007/01	
JP 9212575	A		22	G06K-007/10	
US 5756983	A			G06K-007/10	
US 5898163	A			G06K-007/10	
JP 3005465	B2		22	G06K-007/10	Previous Publ. patent JP 9212575
GB 2310066	B			G06K-007/01	
CN 1156864	A			G06K-009/00	

Optical bar code reading method for e.g POS system...
...Inventor: **WATANABE M**
...Title Terms: **POS ;**

3/3,K/8 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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Search Performed by Sylvia Keys 16-Mar-04

011335491 **Image available**
WPI Acc No: 1997-313396/199729
Related WPI Acc No: 1999-622493
XRPX Acc No: N97-259496

Bar-code decoding according to reflected light from bar-code - by reading and decoding bar code data from storage device in one and opposite scanning directions and determining whether or not decoding results are equal to each other

Patent Assignee: FUJITSU LTD (FUIT)
Inventor: ITOH M; IWAGUCHI I; KAWAI H; SATO S; **WATANABE M**
Number of Countries: 004 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2308710	A	19970702	GB 9626621	A	19961220	199729	B
JP 9179926	A	19970711	JP 95336711	A	19951225	199738	
GB 2308710	B	20000223				200013	
US 6095420	A	20000801	US 96771254	A	19961220	200039	
CN 1157443	A	19970820	CN 96117952	A	19961225	200137	
JP 3324374	B2	20020917	JP 95336711	A	19951225	200268	

Priority Applications (No Type Date): JP 95336711 A 19951225
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2308710	A		41	G06K-007/14	
JP 9179926	A		12	G06K-007/00	
US 6095420	A			G06K-007/10	
CN 1157443	A			G06K-007/10	
JP 3324374	B2		11	G06K-007/00	Previous Publ. patent JP 9179926

...Inventor: **WATANABE M**

...Abstract (Basic): USE/ADVANTAGE - In **POS** of supermarkets. Capable of correctly reading bar codes that require width correction...

3/3,K/9 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011272393 **Image available**
WPI Acc No: 1997-250296/199723
Related WPI Acc No: 2003-234316
XRPX Acc No: N97-206725

Bar code reader used in POS system - couples both first and second light and dark pattern sequences when duplication unit judgement unit detects same data in them

Patent Assignee: FUJITSU LTD (FUIT)
Inventor: IWAGUCHI I; SATO S; SHINODA I; **WATANABE M**
Number of Countries: 002 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9081663	A	19970328	JP 95237326	A	19950914	199723	B
US 5798510	A	19980825	US 96654417	A	19960528	199841	
JP 3470738	B2	20031125	JP 95237326	A	19950914	200380	

Priority Applications (No Type Date): JP 95237326 A 19950914
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9081663	A		17	G06K-007/10	

Search Performed by Sylvia Keys 16-Mar-04

JP 3470738 B2 17 G06K-007/10 Previous Publ. patent JP 9081663
Bar code reader used in POS system...
...Inventor: **WATANABE M**
...Title Terms: **POS ;**

3/3,K/10 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011272390 **Image available**
WPI Acc No: 1997-250293/199723
XRPX Acc No: N97-206722
Bar code reader used in POS system - operates either first or second demodulator, based on whether data group contained in bar code and recognition bars or data group that contained only in recognition bars is needed
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: SHINODA I; **WATANABE M**
Number of Countries: 002 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9081660	A	19970328	JP 95231497	A	19950908	199723	B
US 5689103	A	19971118	US 96676476	A	19960708	199801	
JP 3448404	B2	20030922	JP 95231497	A	19950908	200363	

Priority Applications (No Type Date): JP 95231497 A 19950908
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9081660	A		22	G06K-007/10	
US 5689103	A		27	G06K-007/10	
JP 3448404	B2		23	G06K-007/10	Previous Publ. patent JP 9081660

Bar code reader used in POS system...
...Inventor: **WATANABE M**
...Title Terms: **POS ;**

3/3,K/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010308068 **Image available**
WPI Acc No: 1995-209326/199528
XRPX Acc No: N95-164043
Bar code demodulation method - by calculating distortion level of bar width determining if distortion level is within predetermined value and using different demodulation units for demodulation if in range or out of range
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: ITOH M; KAWAI H; SATO S; SHINODA I; **WATANABE M**
Number of Countries: 003 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2284917	A	19950621	GB 9419184	A	19940922	199528	B
JP 7230522	A	19950829	JP 94184972	A	19940805	199543	
US 5502296	A	19960326	US 94310045	A	19940921	199618	
GB 2284917	B	19980107	GB 9419184	A	19940922	199804	

Priority Applications (No Type Date): JP 94184972 A 19940805; JP 93320145 A

19931220
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2284917	A		109	G06K-007/14	
JP 7230522	A		28	G06K-007/10	
US 5502296	A		52	G06K-007/10	
GB 2284917	B			G06K-007/14	

...Inventor: **WATANABE M**

...Abstract (Basic): USE/ADVANTAGE - For **POS** system, bar codes characters expressed by bar widths. Improves accuracy of reading bar code...
...Abstract (Equivalent): USE/ADVANTAGE - For **POS** system, bar codes characters expressed by bar widths. Improves accuracy of reading bar code...

3/3,K/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010308067 **Image available**
WPI Acc No: 1995-209325/199528
XRPX Acc No: N95-164042
Bar code detection method - by determining addresses of non-detected data block based on width of detected data block and addresses of centre bar to detect data block of bar code that cannot be detected
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: KAWAI H; SATO S; SHINODA I; **WATANABE M**
Number of Countries: 003 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2284916	A	19950621	GB 9419025	A	19940921	199528	B
JP 7175886	A	19950714	JP 93320146	A	19931220	199537	
US 5519199	A	19960521	US 94307450	A	19940921	199626	
GB 2284916	B	19970820	GB 9419025	A	19940921	199736	

Priority Applications (No Type Date): JP 93320146 A 19931220
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2284916	A		49		
JP 7175886	A		11		
US 5519199	A		17		

...Inventor: **WATANABE M**

...Abstract (Basic): USE/ADVANTAGE - For **POS** system scanner, for bar codes of UPC, EAN and JAN. Independent of surface noise or...

3/3,K/13 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009143182 **Image available**
WPI Acc No: 1992-270620/199233
XRPX Acc No: N92-206864
High-speed bar-code reader - uses scanner to store widths of bars and determines completeness of reading and then software decodes bar code value